

AL 2.1986-287

The Limnological Characteristics of the Bow, Oldman and South Saskatchewan Rivers (1979 - 82)

Part I – Appendix B



Alberta

ENVIRONMENT

Environmental Protection Services

Pollution Control Division

Water Quality Control Branch

DDN 6583290



THE LIMNOLOGICAL CHARACTERISTICS OF THE BOW, OLDMAN AND
SOUTH SASKATCHEWAN RIVERS (1979 - 82)

PART I
NUTRIENT AND WATER CHEMISTRY

APPENDIX 'B'

Prepared by:

P.M. Cross
H.R. Hamilton
S.E.D. Charlton

Alberta Environment
Environmental Protection Services
Pollution Control Division
Water Quality Control Branch
Edmonton, Alberta

March 1986



Digitized by the Internet Archive
in 2015

https://archive.org/details/limnologicalchar01cros_0

B-1 NAQUADAT printout of routine, precision and diurnal variability
study data

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A05BH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL INORGANIC		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. P04		15256F PHOSPHORUS DISSOLVED ORTHO P04		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N			
D	M	Y	HR		P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N	MG/L
10	03	80	0825	0426	.009	.003	.003	.004	.003	.004	.003	.003	.003	.003	.003	.10	.08	.19	.08	.19	.1	.1
10	03	80	0830	0426	.008	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.11	.09	.10	.09	.10	.1	.1
24	03	80	1540	0426	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.13	.06	.19	.06	.19	.1	.1
24	03	80	1545	0426	.006	.004	.004	.004	.004	.004	.004	.003	.003	.003	.003	.13	.07	.10	.07	.10	.1	.1
08	04	80	1135	0426	.011	.005	.005	.005	.005	.005	.005	.003	.003	.003	.003	.13	.06	.19	.06	.19	.1	.1
08	04	80	1140	0426	.013	.012	.012	.004	.004	.004	.004	.003	.003	.003	.003	.10	.06	.10	.06	.10	.1	.1
21	04	80	1225	0426	.008	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.08	.03	.19	.03	.19	.1	.1
21	04	80	1230	0426	.011	.008	.008	.003	.003	.003	.003	.003	.003	.003	.003	.08	.02	.10	.02	.10	.1	.1
05	05	80	0605	0426	.007	.006	.006	.003	.003	.003	.003	.003	.003	.003	.003	.10	.02	.19	.02	.19	.1	.1
05	05	80	0610	0426								.003	.003	.003	.003	.10	.02		.02		.1	.1
20	05	80	0555	0426	.012			.003	.003	.003	.003	.003	.003	.003	.003	.11	.04	.19	.04	.19	.1	.1
20	05	80	0600	0426	.010			.003	.003	.003	.003	.003	.003	.003	.003	.09	.03	.03	.03		.1	.1
02	06	80	0700	0426	.013	.004	.004	.004	.004	.004	.004	.003	.003	.004	.004	.18	.06	.10	.06	.10	.1	.1
02	06	80	0701	0426	.018	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.15	.06	.10	.06	.10	.1	.1
02	06	80	0702	0426	.008	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.16	.05	.10	.05	.10	.1	.1
02	06	80	0703	0426	.008	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.17	.05	.10	.05	.10	.1	.1
02	06	80	1245	0426	.007	.007	.007	.005	.005	.005	.005	.005	.005	.003	.003	.14	.05	.10	.05	.10	.1	.1
02	06	80	1330	0426	.005	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.10	.05					
02	06	80	1345	0426	.004			.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
02	06	80	1430	0426	.004			.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
02	06	80	1530	0426	.006			.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
02	06	80	1730	0426	.006			.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
02	06	80	2130	0426	.018	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
03	06	80	0130	0426	.012	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
03	06	80	0530	0426	.008	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.11	.05					
03	06	80	0930	0426	.008	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.10	.05					
03	06	80	1100	0426	.011	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.11	.05	.10	.05	.10	.1	.1
03	06	80	1101	0426	.008	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.11	.05	.10	.05	.10	.1	.1
03	06	80	1102	0426	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.12	.07	.10	.07	.10	.1	.1
03	06	80	1103	0426	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.12	.07	.10	.07	.10	.1	.1
03	06	80	1104	0426	.003	.003	.003	.004	.004	.004	.004	.003	.003	.003	.003	.12	.07	.10	.07	.10	.1	.1
03	06	80	1330	0426	.014	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.10	.05				.1	.1
16	06	80	0715	0426	.013	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.12	.05				.1	.1
01	07	80	0700	0426	.009	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.12	.04				.1	.1
14	07	80	1400	0426	.006	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.08	.02				.1	.1
28	07	80	0700	0426	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.06	.02				.1	.1
11	08	80	0700	0426	.006	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.03	.01				.1	.1
11	08	80	0730	0426	.017	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.05	.01				.1	.1
11	08	80	1100	0426	.009	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.04	.01				.1	.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A05EH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 68900E 5662700N
BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. P04		15256F PHOSPHORUS DISSOLVED ORTHO P04		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N	MG/L
11	08	80	1530	0426	.004				L.003				L.003		.04	51F				
11	08	80	1545	0426	.007				L.003				L.003		.04	51F				
11	08	80	1630	0426	.006				L.003				L.003		.04	51F				
11	08	80	1730	0426	.019				L.003				L.003		.04	51F				
11	08	80	1900	0426	.010				L.003				L.003		.04	51F				
11	08	80	2300	0426	.011				L.003				L.003		.04	51F				
12	08	80	0300	0426	.009				L.003				L.003		.03	51F				
12	08	80	0700	0426	.007				L.003				L.003		.04	51F				
25	08	80	0700	0426	.006				L.003		L.003		L.003		.09				L.1	
08	09	80	0600	0426	.003				L.003		L.003		L.003		.07				L.1	
09	09	80	1100	0426	.003															
09	09	80	1101	0426	.003															
09	09	80	1102	0426	.006															
09	09	80	1103	0426	.004															
12	09	80	0900	0426	L.003															
12	09	80	0901	0426	L.003															
12	09	80	0902	0426	L.003															
12	09	80	0903	0426	.003															
12	09	80	0904	0426	L.003															
22	09	80	0730	0426	.009				.003		L.003		L.003		.08		.02		L.1	
06	10	80	0700	0426	.009															
20	10	80	0830	0426	L.003				L.003		L.003		L.003		.05		.01		L.1	
03	11	80	0915	0426	L.003				L.003		L.003		L.003		.07		.01		L.1	
03	11	80	0917	0426	.003				L.003		L.003		L.003		.08		.03		L.1	
18	11	80	0800	0426	.004				.004		.004		L.003		.08		.04		L.1	
08	12	80	1320	0426	.003				.003		L.003		L.003		.10		.07		L.1	
05	01	81	0800	0426	L.003				L.003		L.003		L.003		.15		.08		L.1	
26	01	81	0830	0426	.003				.003		L.003		L.003		.09		.08		L.1	
16	02	81	0800	0426	.017				L.003		L.003		L.003		.12		.06		L.1	
09	03	81	0800	0426	L.003				L.003		L.003		L.003		.32		.16		L.1	
20	03	81	0900	0426	.010				.008		.008		L.003		.13		.03		L.1	
06	04	81	0900	0426	.008				L.003		L.003		L.003		.23		.03		L.1	
21	04	81	0800	0426	.007				L.003		L.003		L.003		.23		.01		L.1	
04	05	81	0800	0426	.018				L.003		L.003		L.003		.05		L.01		L.1	
19	05	81	0915	0426	.009				.005		L.003		L.003		.21		.03		L.1	
01	06	81	0900	0426	.018				.005		L.003		L.003		.17		.03		L.1	
01	06	81	0905	0426	.023				L.003		L.003		L.003		.17		.03		L.1	
01	06	81	0915	0426	.020				L.003		L.003		L.003		.32		.03		L.1	
01	06	81	0920	0426	.018				L.003		L.003		L.003		.15		.03		L.1	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05BH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL PHOSPHATE P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
01	06	81	0930	0426	.019		.011		L.003		L.003		L.003		.16		.09		L.1	
09	06	81	0830	0426	.014		.007		L.003		L.003		L.003		.14		.08		L.1	
30	06	81	0800	0426	.006		L.003		L.003		L.003		L.003		.08		.03		L.1	
20	07	81	0845	0426	.013		.011		.008		.008		L.003		.10		.05		L.1	
20	07	81	0850	0426	.013		.011		.003		.003		L.003		.10		.06		L.1	
08	08	81	1745	0426	.006		.005		L.003		L.003		L.003		.12		.04		L.1	
24	08	81	1030	0426	.005		L.003		L.003		L.003		L.003		.07		.03		L.1	
21	09	81	1400	0426	L.003		L.003		L.003		L.003		L.003		.08		.02		L.1	
15	10	81	1030	0426	L.003		L.003		L.003		L.003		L.003		.08		.03		L.1	
02	11	81	0840	0426	.013		.010		.005		.005		L.003		.03		.03		.2	
23	11	81	0830	0426	.003		L.003		L.003		L.003		L.003		.10		.06		.1	
14	12	81	0800	0426	L.003		L.003		L.003		L.003		L.003		.15		.08		L.1	
08	01	82	0800	0426	.017		.013		.010		.008		.008		.17		.10		L.1	
01	02	82	1630	0426	.005		L.003		.003		L.003		L.003		.16		.11		L.1	
24	02	82	0830	0426	L.003		L.003		L.003		L.003		L.003		.14		.11		L.1	
15	03	82	0830	0426	.007		.006		.003		.003		L.003		.17		.11		L.1	
05	04	82	1015	0426	.005		.003		.004		L.003		L.003		.15		.12		L.1	
28	04	82	0900	0426	.008		.008		L.003		L.003		L.003		.12		.06		L.1	

SAMPLE DATE				SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY JTU		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL. N		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.				MG/L		MG/L		MG/L		MG/L		MG/L	
10	03	80	0825	0426	0.		.5		L.1		L.1		.01		.11		2.	
10	03	80	0830	0426	0.		.8		L.1		L.1		.04		.14		1.1	
24	03	80	1540	0426	0.		1.1		4.		2.		.04		.14		1.	
24	03	80	1545	0426	0.		1.5		2.		2.		.04		.14		1.	
08	04	80	1135	0426	1.	61F	1.0		L.1		L.1		L.01		.21		2.	
08	04	80	1140	0426	1.	61F	4.3		L.1		L.1		.06		.24		1.	
21	04	80	1225	0426	5.	61F	.2		1.		L.1		.06		.24		1.	
21	04	80	1230	0426	5.	61F	.3		L.1		L.1		.08		.41		2.	
05	05	80	0605	0426	9.	61F	2.8		2.		L.1		.08		.41		1.	
05	05	80	0610	0426	9.	61F	2.6		4.		2.		.06		.29		2.	
20	05	80	0555	0426	12.	61F	2.5		2.		2.		.06		.29		2.	

PARTICULATES TEMP DOC

STATION 00AT05BH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
 BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE				SUBM ID	020615S TEMPERATURE OF WATER		02073L TURBIDITY	10401LL RESIDUE NONFILTR.		10501LL RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE		06104F CARBON DISSOLVED ORGANIC	
D	M	Y	HR		DEG.C.	JTU		MG/L	MG/L	MG/L	N	MG/L	C	MG/L	C	MG/L	MG/L
20	05	80	0600	0426	12. 61F	2.2		11.		11.		.03 02L		.20 02L		2. .04L	
02	06	80	0700	0426				3.0		2.0		.04 02L		.20 02L		2. .04L	
02	06	80	0701	0426				3.0		3.0				.20 02L		2. .04L	
02	06	80	0702	0426				5.0		5.0		L.01 02L		.22 02L		2. .04L	
02	06	80	0703	0426				5.0		4.0		.04 02L		.20 02L		2. .04L	
02	06	80	1245	0426	12. 61F	3.3		3.0		3.0		.03 02L		.13 02L		2. .04L	
02	06	80	1330	0426	11.0 61F												
02	06	80	1345	0426	11.0 61F												
02	06	80	1430	0426	10.8 61F												
02	06	80	1530	0426	10.8 61F												
02	06	80	1730	0426	10.5 61F												
03	06	80	0930	0426	9.8 61F												
03	06	80	1100	0426													
03	06	80	1101	0426													
03	06	80	1102	0426													
03	06	80	1103	0426													
03	06	80	1104	0426													
03	06	80	1330	0426	9.5 61F												
16	06	80	0715	0426	15. 61F	2.3		6.0		5.0		.06		.32		2. .	
01	07	80	0700	0426	11. 61F	1.7		11.		11.		.05		.18		1. .	
14	07	80	1400	0426		1.5		1.		11.		.04		.19		2. .	
28	07	80	0700	0426	16.0 61F	1.3		11.		11.		.04		.17		1. .	
11	08	80	0700	0426	15.5 61F												
11	08	80	0730	0426	14.0 61F	2.7		5.		5.		.09		.26		1. .	
11	08	80	1100	0426	15.5 61F												
11	08	80	1530	0426	15.3 61F												
11	08	80	1545	0426	15.4 61F												
11	08	80	1630	0426	15.4 61F												
11	08	80	1730	0426	15.3 61F												
11	08	80	1900	0426	15.2 61F												
11	08	80	2300	0426	15.0 61F												
12	08	80	0300	0426	14.7 61F												
12	08	80	0700	0426	14.5 61F												
25	08	80	0700	0426	13. 61F	2.3		1.		11.		.09		.17		11. .	
08	09	80	0800	0426	13. 61F	1.6		3.		2.		.04		.19		11. .	
22	09	80	0730	0426	10. 61F	1.0		1.		11.		.03		.11		1. .	
06	10	80	0700	0426	11. 61F	1.0		1.		11.		.02		.17		1. .	
20	10	80	0830	0426	8. 61F	3.7		3.		1.		.04		.17		2. .	
03	11	80	0915	0426	0. 61F	1.		11.		11.		.06		.22		11. .	

STATION 00AT05BRH2090 LAT. 51D 5M 9S LONG. 1140 17M 21S PR 4 UTM 11 689900E 5662700N
BOW RIVER BELOW BEARSPAN DAM

SAMPLE DATE				SUBM ID	020615S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU		MG/L	MG/L	MG/L	N	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
03	11	80	0917	0426	0.	61F	.8	L1.	L1.	L1.	.05	.22			1.		
18	11	80	0800	0426			1.5	1.	L1.	L1.	.03	.10			L1.		
08	12	80	1320	0426	.0	61F	1.2	2.	L1.	2.	L.01	.05			1.		
05	01	81	0800	0426	0.	61F	1.2	L1.	L1.	L1.	.05	.19			1.		
26	01	81	0830	0426			3.2	4.	2.	2.	.04	.21			1.		
16	02	81	0800	0426			1.3	2.	L1.	L1.	.01	.11			1.		
09	03	81	0800	0426			1.	1.	L1.	L1.	.05	.20			1.		
20	03	81	0900	0426			1.1	L1.	L1.	L1.	.04	.27			1.		
06	04	81	0900	0426	3.0	61F	1.2	1.	L1.	L1.	.06	.06			1.		
21	04	81	0800	0426	6.0	61F	1.5	4.	2.	2.	.10	.28			2.		
04	05	81	0800	0426	8.0	61F	2.6	3.	2.	2.	.07	.39			2.		
19	05	81	0915	0426	9.0	61F	14.	13.	12.	12.	.09	.40			3.		
01	06	81	0900	0426	9.0	61F		27.	24.	24.	.06	.65			3.		
01	06	81	0905	0426	9.0	61F		27.	24.	24.	.05	.54			2.		
01	06	81	0915	0426	9.0	61F		26.	23.	23.	.05	.46			2.		
01	06	81	0920	0426	9.0	61F		23.	21.	21.	.05	.52			2.		
01	06	81	0930	0426	9.0	61F		26.	23.	23.	.05	.51			2.		
09	06	81	0830	0426	9.0	61F	11.	8.	6.	6.	L.01	.29			3.		
30	06	81	0800	0426	12.0	61F	2.5	1.	L1.	L1.	.03	.22			2.		
20	07	81	0835	0426	13.	61F	7.5	9.			.04	.36			2.		
20	07	81	0850	0426	13.	61F	15.	9.			.04	.27			2.		
08	08	81	1745	0426	13.	61F	3.9	2.	L1.	L1.	.04	.25			3.		
24	08	81	1030	0426	16.	61F	2.5	4.	2.	2.	.03	.17			1.		
21	09	81	1400	0426	13.	61F	1.4	2.	1.	1.	.03	.15			1.		
15	10	81	1030	0426	7.	61F	1.3	L1.	L1.	L1.	.04	.16			2.		
02	11	81	0840	0426	6.	61F	.9	1.	1.	1.	.04	.20			2.		
23	11	81	0830	0426	2.0	61F	1.5	1.	L1.	L1.	.02	.09			2.		
14	12	81	0800	0426	.0	61F	2.0	2.0	L1.	L1.	.03	.10			2.		
08	01	82	0800	0426	.0	61F	1.2	1.	L1.	L1.	L.01	.11			2.		
01	02	82	1630	0426	.0	61F	1.1	1.	L1.	L1.	.02	.04			2.		
24	02	82	0830	0426	.0	61F	.8	L1.	L1.	L1.	.02				2.		
15	03	82	0830	0426	5.0	61F	.8	L1.	L1.	L1.	.02	.08			1.		
05	04	82	1015	0426	5.0	61F	.5	L1.	L1.	L1.	L.01	.10			1.		
28	04	82	0900	0426	.0	61F	1.6	1.	L1.	L1.	.06	.32			1.		

STATION 00AT05EH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
 BOW RIVER BELOW BEARSPAN DAM

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SI02 MG/L
D	M	Y	HR								
10	03	80	0825	0426	8.0	23. 53L	120.	.0	343.		4.4
10	03	80	0830	0426	8.0	24. 52L	120.	.0	356.		4.3
24	03	80	1540	0426	8.2	22. 53L	110.	.0	365.		4.0
24	03	80	1545	0426	8.1	19. 52L	100.	.0	367.		4.2
08	04	80	1135	0426	8.2	20. 53L	120. 01L	.0	312.	1.2	4.0
08	04	80	1140	0426	8.3	21. 52L	120. 01L	.0	343.	1.2	3.9
21	04	80	1225	0426	8.3	25. 53L	120. 01L	.0	323.	1.2	3.7
21	04	80	1230	0426	8.2	26. 52L	120. 01L	0.	327.	1.2	3.7
05	05	80	0605	0426	8.2	22. 53F	110. 01L	0.	293.	1.2	3.4
05	05	80	0610	0426	8.2	23.	110. 01L	0.	304.	1.1	3.3
20	05	80	0555	0426	8.2	21. 53F	101. 01L	0.	272.	.8	3.6
20	05	80	0600	0426	8.2	20.	101. 01L	0.	271.	.8	3.4
02	06	80	0700	0426	8.2	21. 52L	103. 01L	.0	266.	1.0	4.0
02	06	80	0701	0426	8.2	21. 52L	102. 01L	.0	270.	.9	4.0
02	06	80	0702	0426	8.2	21. 52L	102. 01L	.0	269.	.9	4.0
02	06	80	0703	0426	8.2	21. 52L	100. 01L	.0	268.	.9	4.2
02	06	80	1245	0426	8.3	21. 52L	104. 01L	.0	270.	.9	3.6
02	06	80	1330	0426	8.3				267.		
02	06	80	1345	0426	8.3				267.		
02	06	80	1430	0426	8.3				267.		
02	06	80	1530	0426	8.3				267.		
02	06	80	1730	0426	8.3				267.		
02	06	80	2130	0426	8.2				267.		
03	06	80	0130	0426	8.2				267.		
03	06	80	0530	0426	8.3				267.		
03	06	80	0930	0426	8.3				266.		
03	06	80	1100	0426	8.5	20. 52L	114. 01L	.2	256.	1.0	4.2
03	06	80	1101	0426	8.5	22. 52L	102. 01L	1.0	258.	.9	3.8
03	06	80	1102	0426	8.5	22. 52L	103. 01L	.7	254.	.9	3.8
03	06	80	1103	0426	8.5	21. 52L	103. 01L	.5	255.	.9	3.8
03	06	80	1104	0426	8.5	21. 52L	105. 01L		258.	.9	3.8
03	06	80	1330	0426	8.2				267.		
16	06	80	0715	0426	8.2	22.	108. 01L	.0	285.	.9	4.0
01	07	80	0700	0426	8.3	22.	106. 01L	.0	276.	.8	3.6
14	07	80	1400	0426	8.3	22.	108. 01L	.0	281.	.9	3.5
28	07	80	0700	0426	8.4	22.	106. 01L	1.0	286.	.9	3.0
11	08	80	0730	0426	8.4	21.	106. 01L	.0	281.	.9	3.2
25	08	80	0700	0426	8.1	22.	107. 01L	.0	291.	.9	3.7
08	09	80	0800	0426	8.3	23.	111. 01L	.0	302.	1.0	3.5

STATION 00A05BH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE			SUBM		PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	M	Y	HR	ID								
09	09	80	1100	0426	8.3			111. 01L	.0	303.	1.0	3.5
09	09	80	1101	0426	8.3			111. 01L	.0	303.	1.0	3.7
09	09	80	1102	0426	8.3			111. 01L	.0	301.	1.0	3.5
09	09	80	1103	0426	8.3			111. 01L	.0	306.	1.0	3.7
12	09	80	0900	0426	8.3			114. 01L	.0	307.	1.0	3.7
12	09	80	0901	0426	8.2			113. 01L	.0	306.	1.0	3.7
12	09	80	0902	0426	8.2			114. 01L	.0	308.	1.0	3.7
12	09	80	0903	0426	8.2			112. 01L	.0	307.	1.0	3.7
12	09	80	0904	0426	8.2			115. 01L	.0	307.	1.0	3.7
22	09	80	0730	0426	8.3		27.	117. 01L	.0	310.	.9	3.5
06	10	80	0700	0426	8.4		26.	115. 01L	.0	312.	1.1	3.4
20	10	80	0830	0426	8.4		27.	118. 01L	.0	316.	1.2	3.4
03	11	80	0915	0426	8.3		31.	121. 01L	.0	327.	1.2	3.4
03	11	80	0917	0426	8.3		32.	119. 01L	.0	337.	1.1	3.5
18	11	80	0800	0426	8.2		29.	124. 01L	.0	333.	1.2	3.6
08	12	80	1320	0426	8.2		27.	132. 01L	.0	355.	1.1	4.0
05	01	81	0800	0426	8.1		23.	125. 01L	.0	353.	1.2	4.1
26	01	81	0830	0426			33.	122. 01L	.0	338.	1.1	4.0
16	02	81	0800	0426	8.1		31.	121. 01L	.0	337.	1.1	3.6
09	03	81	0800	0426	8.2		34.	121. 01L	.0	334.	1.0	3.5
20	03	81	0900	0426	8.3		39.	122. 01L	.0	342.	.9	3.6
06	04	81	0900	0426	8.3		29.	121. 01L	.0	339.	.9	3.6
21	04	81	0800	0426	8.3		28.	122. 01L	.0	346.	.9	3.4
04	05	81	0800	0426	8.3		31.	123. 01L	.0	341.	1.1	3.5
19	05	81	0915	0426	8.3		31.	129. 01L	.0	338.	1.5	4.8
01	06	81	0900	0426	8.1		25.	109. 01L	.0	269.	.9	4.3
01	06	81	0905	0426	8.1		25.	109. 01L	.0	268.	.9	4.3
01	06	81	0915	0426	8.1		25.	109. 01L	.0	269.	.9	4.3
01	06	81	0920	0426	8.1		25.	109. 01L	.0	264.	.9	4.3
01	06	81	0930	0426	8.1		25.	108. 01L	.0	271.	.9	4.3
09	06	81	0830	0426	8.2		26.	110. 01L	.0	279.	1.1	4.5
30	06	81	0800	0426	8.4		26.	122. 01L	2.3	305.	1.2	4.0
20	07	81	0845	0426	8.3		27.	109. 01L	.0	269.	.9	3.7
20	07	81	0850	0426	8.3		29.	109. 01L	.0	269.	.9	3.6
08	08	81	1745	0426	8.2		27.	114. 01L	.0	281.	.9	4.2
24	08	81	1030	0426	8.3		28.	113. 01L	.0	285.	.9	3.7
21	09	81	1400	0426	8.4		27.	119. 01L	.0	293.	1.0	3.0
15	10	81	1030	0426	8.2		30.	125. 01L	.0	312.	1.2	3.2
02	11	81	0840	0426	8.3		30.	127. 01L	.0	328.	1.4	3.0

PH DIC ALK COND CL SIO2

STATION 00AT05BH2090 LAT. 51D 5M 9S LONG. 114D 17M 21S PR 4 UTM 11 689900E 5662700N
 BOW RIVER BELOW BEARSPAW DAM

SAMPLE DATE				SUBM		PH	UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR	ID										
23	11	81	0830	0426		8.1			23.	133. 01L	.0	332.	1.4	3.6
14	12	81	0800	0426		8.1			33.	137. 01L	.0	338.	1.4	4.0
09	01	82	0800	0426		8.1			32.	143. 01L	.0	355.	1.3	4.2
01	02	82	1630	0426		8.1			29.	135. 01L	.0	338.	1.3	4.1
24	02	82	0830	0426		8.2			36.	135. 01L	.0	334.	1.3	4.3
15	03	82	0830	0426		8.1			31.	130. 01L	.0	326.	1.2	3.8
05	04	82	1015	0426		8.1			32.	130. 01L	.0	321.	1.4	3.8
28	04	82	0900	0426		8.2			22.	120. 01L	.0	295.	1.5	3.7

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05BH2105 LAT. 510 6M 0S LONG. 1140 12M 36S PR 3 UTM 11 695350E 5664400N
BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. P ₀₄		15256F PHOSPHORUS DISSOLVED ORTHO P ₀₄		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO ₃ & NO ₂ N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N
14	05	79	1010	0426	.004		L.003		L.003	13F	L.003	46F	L.003	66F	.07	.01	19F	.01	19F	L.1
14	05	79	1015	0426	.003	.005	L.003	.005	L.003	13F	L.003	46F	L.003	66F	.07	.01	19F	.01	19F	L.1
28	05	79	0805	0426	.009	.006	L.003	.006	L.003	13F	L.003	46F	L.003	66F	.07	.02	19F	.02	19F	L.1
28	05	79	0840	0426	.008	.006	L.003	.006	L.003	13F	L.003	46F	L.003	66F	.07	.02	19F	.02	19F	L.1
11	06	79	0735	0426	.007	.007	L.003	.007	L.003	13F	.005	46F	L.003	66F	.22	.13	19F	.13	19F	L.1
11	06	79	0800	0426	.005		L.003		L.003	13F	L.003	46F	L.003	66F	.17	.08	19F	.08	19F	L.1
25	06	79	0835	0426	.009	.006	L.003	.006	L.003	13F	L.003	46F	L.003	66F	.11	.05	19F	.05	19F	L.1
25	06	79	0855	0426	.014	.005	L.003	.005	L.003	13F	L.003	46F	L.003	66F	.09	.04	19F	.04	19F	L.1
09	07	79	1210	0426	.007	L.003	L.003	13F	L.003	13F	L.003	46F	L.003	66F	.13	.05	19F	.05	19F	L.1
09	07	79	1230	0426	.008	.004	L.003	.004	L.003	13F	L.003	46F	L.003	66F	.09	.04	19F	.04	19F	L.1
23	07	79	1245	0426	.005		L.003		.004	13F	L.003	46F	L.003	66F	.06	.02	19F	.02	19F	L.1
23	07	79	1300	0426	.006	.004	L.003	.004	.004	13F	.004	46F	L.003	66F	.10	.04	19F	.04	19F	L.1
05	08	79	0705	0426	.012	.012	L.003	.012	L.003	13F	L.003	46F	L.003	66F	.06	.03	19F	.03	19F	L.1
05	08	79	0720	0426	.007	.004	L.003	.004	L.003	13F	L.003	46F	L.003	66F	.16	.03	19F	.03	19F	L.1
20	08	79	1130	0426	L.003	L.003	L.003	13F	L.003	13F	L.003	46F	L.003	66F	.10	.03	19F	.03	19F	L.1
20	08	79	1145	0426	.006	.004	L.003	.004	.004	13F	L.003	46F	L.003	66F	.10	.03	19F	.03	19F	L.1
23	09	79	1230	0426	.008	L.003	L.003	13F	L.003	13F	L.003	46F	L.003	66F	.05	.02	19F	.02	19F	L.1
23	09	79	1235	0426	.008	.003	L.003	.003	L.003	13F	L.003	46F	L.003	66F	.17	.01	19F	.01	19F	L.1
08	10	79	1125	0426	.005	L.003	L.003	13F	L.003	13F	L.003	46F	L.003	66F	.17	.02	19F	.02	19F	L.1
08	10	79	1130	0426	.010	L.003	L.003	13F	L.003	13F	L.003	46F	L.003	66F	.12	.01	19F	.01	19F	L.1
28	10	79	1455	0426	.004	.004	L.003	.004	L.003	13F	L.003	46F	L.003	66F	.06	.01	19F	.01	19F	L.1
28	10	79	1500	0426	.004	.004	L.003	.004	L.003	13L	L.003	46L	L.003	66L	.07	.03	19L	.03	19L	L.1
18	11	79	1255	0426	L.003	L.003	L.003	13L	L.003	13L	L.003	46L	L.003	66L	.10	.03	19L	.03	19L	L.1
18	11	79	1300	0426	.006	L.003	L.003	13L	.004	03L	L.003	56L	L.003	66L	.10	.06	19L	.06	19L	L.1
09	12	79	1640	0426	.003		L.003		.004	03L	L.003	56L	L.003	66L	.12	.07	10L	.07	10L	L.1
09	12	79	1645	0426	L.003		L.003		L.003	03L	L.003	56L	L.003	66L	.14	.11	19L	.11	19L	L.1
07	01	80	1425	0426	.010	.015	L.003	.015	L.003	03L	L.003	56L	L.003	66L	.14	.12	10L	.12	10L	L.1
07	01	80	1430	0426	.018	L.003	L.003	03L	L.003	03L	L.003	56L	L.003	66L	.18	.09	19L	.09	19L	L.1
28	01	80	1140	0426	.008	L.003	L.003	03L	.003	03L	L.003	56L	L.003	66L	.15	.09	10L	.09	10L	L.1
28	01	80	1145	0426	.012	.005	L.003	.005	.011	03L	L.003	56L	L.003	66L	.15	.09	10L	.09	10L	L.1
18	02	80	1210	0426	.004	.003	L.003	.003	L.003	03L	L.003	46L	L.003	66L	.15	.08	19L	.08	19L	L.1
18	02	80	1215	0426	.006	.003	L.003	.003	L.003	03L	L.003	56L	L.003	66L	.13	.08	10L	.08	10L	L.1
27	10	80	0815	0426	L.003		L.003		L.003		L.003		L.003		.05	.02		.02		
27	10	80	1200	0426	L.003		L.003		L.003		L.003		L.003		.06	.02		.02		
27	10	80	1600	0426	L.003		L.003		L.003		L.003		L.003		.05	.02		.02		
27	10	80	1615	0426	L.003		L.003		L.003		L.003		L.003		.05	.02		.02		
27	10	80	1700	0426	L.003		L.003		L.003		L.003		L.003		.06	.02		.02		
27	10	80	1800	0426	L.003		L.003		L.003		L.003		L.003		.04	.02		.02		
27	10	80	2000	0426	.005		L.003		L.003		L.003		L.003		.05	.02		.02		

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 08AT05BH2105 LAT. 51D 6M 0S LONG. 114D 12M 36S PR 3 UTM 11 695350E 5664400N
BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE				SUBM ID	15406L PHOSPHOROUS TOTAL PHOSPHATE P		15301L PHOSPHOROUS TOTAL INORGANIC P		15103F PHOSPHOROUS DISSOLVED P		15356F PHOSPHOROUS DISSOLVED INORG. P04 P		15256F PHOSPHOROUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
28	10	80	0000	0426	L.003		L.003		L.003		L.003		L.003		.05	51F	.03			
28	10	80	0400	0426	L.003		L.003		L.003		L.003		L.003		.05	51F	.02			
28	10	80	0800	0426	L.003		L.003		L.003		L.003		L.003		.06	51F	.02			
05	01	81	0800	0426	.013		.008		.008		.003		L.003		.12	51F				
05	01	81	1200	0426	.012		.003		.003		L.003		L.003		.13	51F				
05	01	81	1600	0426	.007		L.003		L.003		L.003		L.003		.12	51F				
05	01	81	1615	0426	.006		L.003		L.003		L.003		L.003		.12	51F				
05	01	81	1700	0426	.006		L.003		L.003		L.003		L.003		.12	51F				
05	01	81	1800	0426	.004		L.003		L.003		L.003		L.003		.12	51F				
05	01	81	2000	0426	.004		L.003		L.003		L.003		L.003		.12	51F				
06	01	81	0000	0426	.007		L.003		L.003		L.003		L.003		.12	51F				
06	01	81	0400	0426	.003		L.003		L.003		L.003		L.003		.12	51F				
06	01	81	0800	0426	L.003		L.003		L.003		L.003		L.003		.12	51F				
23	03	81	0800	0426	.005		.004		.004		L.003		L.003		.05	51F				
23	03	81	1200	0426	L.003		L.003		L.003		L.003		L.003		.04	51F				
23	03	81	1600	0426	.050		L.003		L.003		L.003		L.003		.05	51F				
23	03	81	1615	0426	.045						.023		.023		.04	51F				
23	03	81	1700	0426	.11		.005		.005		L.003		L.003		.16	51F				
23	03	81	1800	0426	.013		.009		.009		L.003		L.003		.05	51F				
23	03	81	2000	0426	.15		.004		.004		L.003		L.003		.06	51F				
24	03	81	0000	0426	.36		.14		.14		L.003		L.003		.07	51F				
24	03	81	0400	0426	.28		.006		.006		L.003		L.003		.15	51F				
24	03	81	0800	0426	L.003		L.003		L.003		L.003		L.003		.07	51F				
08	03	82	0800	0426	.009		.004		.004		L.003		L.003		.24	51F				
08	03	82	1200	0426	.008		.003		.003		L.003		L.003		.17	51F				
08	03	82	1600	0426	.005		.003		.003		L.003		L.003		.14	51F				
08	03	82	1615	0426	.006		L.003		L.003		L.003		L.003		.15	51F				
08	03	82	1700	0426	.006		L.003		L.003		L.003		L.003		.13	51F				
08	03	82	1800	0426	.004		L.003		L.003		L.003		L.003		.13	51F				
08	03	82	2000	0426	.005		L.003		L.003		L.003		L.003		.23	51F				
09	03	82	0000	0426	.005		L.003		L.003		L.003		L.003		.14	51F				
09	03	82	0400	0426	.003		L.003		L.003		L.003		L.003		.15	51F				
09	03	82	0800	0426	.003		L.003		L.003		L.003		L.003		.13	51F				

STATION 00AT05BH2105 LAT. 51D
BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE	020615S		02073L	10401LL	10501LL	07902F	06902F	06104F
	TEMPERATURE OF WATER	TURBIDITY						
D M Y HR	SUBM ID	DEG.C.	JTU	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL.	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C
14 05 79 1010	0426	6.	6.1	7.	11.	.07		
14 05 79 1015	0426	6.	8.4	3.	2.	.04		
28 05 79 0805	0426	12.5	5.5	3.	0.	.05		
28 05 79 0840	0426	12.5	4.8	2.	2.	.05		
11 06 79 0735	0426	12.	3.2	2.	1.	.05		
11 06 79 0800	0426	12.	2.5	3.	2.	.03		
25 06 79 0835	0426	14.	7.2	2.	11.	.03		
25 06 79 0855	0426	14.	6.3	3.	11.	.02		
09 07 79 1210	0426	16.	2.3	4.	2.	.03		
09 07 79 1230	0426	16.	2.3	11.	11.			
23 07 79 1245	0426	15.5		11.	11.	.02		
23 07 79 1300	0426	15.5		11.	11.			
05 08 79 0705	0426	14.5	.9	2.0	1.4	.03		
05 08 79 0720	0426	14.5	.6	1.6	11.	.07		
20 08 79 1130	0426	16.	.5	1.6	1.7			
20 08 79 1145	0426	16.	.5	11.	11.	.09		
23 09 79 1230	0426	13.	1.2	2.	11.			
23 09 79 1235	0426	13.	.7	2.	1.	L.01		
08 10 79 1125	0426	11.	1.1	1.	1.			
08 10 79 1130	0426	11.	.8	1.	11.			
28 10 79 1455	0426	7.	1.5	11.	11.	.39		
28 10 79 1500	0426	7.	2.5	2.	1.			
18 11 79 1255	0426	3.	.4	11.	11.	.04 02L		
18 11 79 1300	0426	3.	.4	11.	11.			
09 12 79 1640	0426	1.	1.7	11.	1.	.03 02L		
09 12 79 1645	0426	1.	5.8	11.	11.			
07 01 80 1425	0426	0.	.9	4.	3.	.04 02L	.32 02L	2. 06L
07 01 80 1430	0426	0.	1.6	4.	3.			2. 04L
28 01 80 1140	0426	0.	.4	11.	11.	.02 02L	.11 02L	1. 06L
28 01 80 1145	0426	0.	1.1	1.	1.			1. 04L
18 02 80 1210	0426	0.	.8	11.	11.	.03 02L	.11 02L	1. 06L
18 02 80 1215	0426	0.	.5	11.	11.			1.
27 10 80 0815	0426	4.0 61F						
27 10 80 1200	0426	5.0 61F						
27 10 80 1600	0426	6.0 61F						
27 10 80 1615	0426	6.0 61F						
27 10 80 1700	0426	5.0 61F						
27 10 80 1800	0426	5.0 61F						
27 10 80 2000	0426	4.0 61F						

STATION 00AT05BH2105 LAT. 51D 6M 05 LONG. 114D 12M 36S PR 3 UTM 11 695350E 56644000N
BOW RIVER AT 85ST, BRIDGE CALGARY

SAMPLE DATE	020615S			SUBM ID	02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
	D	M	Y							
28	10	80	0000	0426		4.0 61F				
28	10	80	0426			4.0 61F				
28	10	80	0800	0426		4.0 61F				
05	01	81	0800	0426		0. 61F				
05	01	81	1200	0426		0. 61F				
05	01	81	1600	0426		0. 61F				
05	01	81	1615	0426		0. 61F				
05	01	81	1700	0426		0. 61F				
05	01	81	1800	0426		0. 61F				
05	01	81	2000	0426		0. 61F				
06	01	81	0000	0426		0. 61F				
06	01	81	0400	0426		0. 61F				
06	01	81	0800	0426		0. 61F				
23	03	81	0800	0426		1. 61F				
23	03	81	1200	0426		3. 61F				
23	03	81	1600	0426		3. 61F				
23	03	81	1615	0426		3. 61F				
23	03	81	1700	0426		2. 61F				
23	03	81	1800	0426		2. 61F				
23	03	81	2000	0426		1.0 61F				
24	03	81	0000	0426		1.0 61F				
24	03	81	0400	0426		1.0 61F				
24	03	81	0800	0426		1.0 61F				
08	03	82	0800	0426		2.5 61F				
08	03	82	1200	0426		3.2 61F				
08	03	82	1600	0426		3.5 61F				
08	03	82	1615	0426		3.5 61F				
08	03	82	1700	0426		3.5 61F				
08	03	82	1800	0426		3.5 61F				
08	03	82	2000	0426		3.0 61F				
09	03	82	0000	0426		3.0 61F				
09	03	82	0400	0426		3.0 61F				
09	03	82	0800	0426		3.0 61F				

STATION 00A05BH2105 LAT. 51D 6M 0S LONG. 114D 12M 36S PR 3 UTM 11 695350E 5664400N
 BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE				10301LL PH		06152F CARBON DISSOLVED INORGANIC C		10106LL ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE SIO2	
D	M	Y	HR	SUBM ID	PH UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
14	05	79	1010	0426				115.				325.					
14	05	79	1015	0426				117.				324.					
28	05	79	0805	0426	8.2			110.		.0		312.					
28	05	79	0840	0426	8.1			110.		.0		314.					
11	06	79	0735	0426	8.1			92.		.0		241.					
11	06	79	0800	0426	8.0			92.		.0		262.					
25	06	79	0835	0426	7.9			93.		.0		256.					
25	06	79	0855	0426	8.1			95.		.0		260.					
09	07	79	1210	0426	8.3			84.		.0		241.					
09	07	79	1230	0426	8.3			84.		.0		241.					
23	07	79	1245	0426	8.2			89.		.0		236.					
23	07	79	1300	0426	8.2			87.		.0		247.					
05	08	79	0705	0426	8.2			90.	20.			247.					
05	08	79	0720	0426	8.3			93.	27.			233.					
20	08	79	1130	0426	8.4			95.				268.					
20	08	79	1145	0426	8.4			95.				254.					
23	09	79	1230	0426	8.0			99.		.0		273.					
23	09	79	1235	0426	8.3			107.		.0		302.					
08	10	79	1125	0426	8.0			121.		.0		292.					
08	10	79	1130	0426	8.3			120.		.0		311.					
28	10	79	1455	0426	8.3			115.		.0		321.					
28	10	79	1500	0426	8.4			116.		.0		323.					
18	11	79	1255	0426	8.3			115.		.0		331.					
18	11	79	1300	0426	8.3			117.		.0		330.					
09	12	79	1640	0426	8.2			100.		.0		348.					
09	12	79	1645	0426	8.3			98.		.0							
07	01	80	1425	0426	8.0		32. 53L	132.		.0		381.				4.3	
07	01	80	1430	0426	8.1		33. 52L	132.		.0		395.				4.2	
28	01	80	1140	0426	8.1		30. 53L	122.		.0		352.				4.0	
28	01	80	1145	0426	8.1		30. 52L	122.		.0		365.				4.3	
18	02	80	1210	0426	8.1		25. 53L	96.		.0		371.				4.4	
18	02	80	1215	0426	8.2		26. 52L	94.		.0		381.				4.4	
27	10	80	0815	0426	8.3							330.				318.	
27	10	80	1200	0426	8.4							318.				318.	
27	10	80	1600	0426	8.4							320.				320.	
27	10	80	1615	0426	8.3							318.				318.	
27	10	80	1700	0426	8.3							319.				319.	
27	10	80	1800	0426	8.3							318.				318.	
27	10	80	2000	0426	8.3							320.				320.	

PH DIC ALK COND CL SIO2

STATION 00AT05BH2105 LAT. 51D 6M 0S LONG. 114D 12M 36S PR 3 UTM 11 695350E 5664400N
 BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	M	Y	HR									
28	10	80	0000	0426	8.3					319.		
28	10	80	0400	0426	8.3					320.		
28	10	80	0800	0426	8.3					320.		
05	01	81	0800	0426	8.2					353.		
05	01	81	1200	0426	8.2					351.		
05	01	81	1600	0426	8.2					350.		
05	01	81	1615	0426	8.2					350.		
05	01	81	1700	0426	8.2					350.		
05	01	81	1800	0426	8.3					352.		
05	01	81	2000	0426	8.1					352.		
06	01	81	0000	0426	8.2					349.		
06	01	81	0400	0426	8.2					349.		
06	01	81	0800	0426	8.3					353.		
23	03	81	0800	0426	8.3					342.		
23	03	81	1200	0426	8.3					338.		
23	03	81	1600	0426	8.3					336.		
23	03	81	1615	0426	8.3					339.		
23	03	81	1700	0426	8.3					337.		
23	03	81	1800	0426	8.3					344.		
23	03	81	2000	0426	8.1					342.		
24	03	81	0090	0426	8.2					345.		
24	03	81	0400	0426	8.2					340.		
24	03	81	0800	0426	8.2					341.		
08	03	82	0800	0426	8.0					315.		
08	03	82	1200	0426	8.1					311.		
08	03	82	1600	0426	8.1					314.		
08	03	82	1615	0426	8.1					316.		
08	03	82	1700	0426	8.1					312.		
08	03	82	1800	0426	8.1					314.		
08	03	82	2000	0426	8.0					315.		
09	03	82	0000	0426	8.0					313.		
09	03	82	0400	0426	8.0					310.		
09	03	82	0800	0426	8.0					313.		

STATION 20AL05BH8500 LAT. 51D 0M 25S LONG. 114D 0M 15S FR 3 UTM 11 710150E 5654650N
 CALGARY - BONNYBROOK SEWAGE TREATMENT PLANT EFFLUENT TO BOW RIVER - GRAB
 SW1/4 S1 T24 R1 W5M

SAMPLE DATE				SUBM ID	15406L PHOSPHOROUS TOTAL PHOSPHATE P		15103F PHOSPHOROUS DISSOLVED P		15256F PHOSPHOROUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		02061S TEMPERATURE OF WATER		10301L PH		02041L SPECIFIC CONDUCT.
D	M	Y	HR		MG/L		MG/L		MG/L		MG/L		DEG.C.		PH UNITS		
09	06	80	1100	0426	2.2		2.2		2.0		8.8	51F	14.0	61F	7.3	01F	1000. 41F
09	06	80	1500	0426	3.3		3.0		2.9		17. 51F		15.0	61F	7.4	01F	1150. 41F
09	06	80	1515	0426	3.5		3.1		3.1		17. 51F		15.0	61F	7.4	01F	1150. 41F
09	06	80	1600	0426	3.7		3.3		3.3		18. 51F		15.0	61F	7.4	01F	1150. 41F
09	06	80	1700	0426	3.8		3.6		3.6		19. 51F		15.0	61F	7.4	01F	1200. 41F
09	06	80	1900	0426	4.2		4.0		3.9		18. 51F		15.0	61F	7.4	01F	1100. 41F
09	06	80	2300	0426	5.0		4.0		4.0		18. 51F		15.0	61F	7.3	01F	1050. 41F
10	06	80	0300	0426	4.4		4.0		17. 51F		17. 51F		15.0	61F	7.3	01F	1000. 41F
10	06	80	0700	0426	4.0		3.9		3.9		18. 51F		15.0	61F	7.3	01F	1050. 41F
10	06	80	1100	0426	3.2		3.0		3.0		19. 51F		15.0	61F	7.3	01F	1100. 41F
05	08	80	0700	0426	4.4		4.0		3.9		13. 51F		17.7	61F	7.5	01F	920. 41F
05	08	80	1100	0426	3.2		3.0		3.0		11. 51F		17.4	61F	7.5	01F	950. 41F
05	08	80	1500	0426	4.2		3.6		3.6		14. 51F		18.0	61F	7.5	01F	1050. 41F
05	08	80	1515	0426	4.2		3.7		3.6		14. 51F		18.0	61F	7.5	01F	1050. 41F
05	08	80	1600	0426	4.2		3.8		3.6		15. 51F		18.0	61F	7.5	01F	1050. 41F
05	08	80	1700	0426	4.4		4.0		4.0		13. 51F		18.2	61F	7.5	01F	1100. 41F
05	08	80	1900	0426	4.6		4.1		4.0		14. 51F		18.4	61F	7.4	01F	1100. 41F
05	08	80	2300	0426	5.2		4.4		4.2		13. 51F		18.5	61F	7.4	01F	1000. 41F
06	08	80	0300	0426	4.2		3.8		3.8		10. 51F		18.5	61F	7.4	01F	950. 41F
06	08	80	0700	0426	2.4		2.4	03L	.55	56L	7.5	51L	18.1	61F	7.5	01F	980. 41F
06	10	80	0700	0426	4.1		3.8		3.7		13. 51F		15.0	61F	7.8		827.
06	10	80	1100	0426	3.5		3.2		3.2		13. 51F		16.0	61F	7.7		855.
06	10	80	1500	0426	3.8		3.5		3.4		16. 51F		17.0	61F	7.7		957.
06	10	80	1515	0426	4.1		3.7		3.6		15. 51F		17.0	61F	7.7		974.
06	10	80	1600	0426	4.0		3.9		3.8		14. 51F		17.0	61F	7.8		986.
06	10	80	1700	0426	4.6		4.2		4.2		14. 51F		17.0	61F	7.7		995.
06	10	80	1900	0426	5.2		4.6		4.4		16. 51F		17.0	61F	7.7		1000.
06	10	80	2300	0426	5.0		5.0		5.0		14. 51F		16.0	61F	7.7		966.
07	10	80	0300	0426	5.8		4.6		4.4		11. 51F		16.0	61F	7.7		836.
07	10	80	0700	0426	3.6		2.9		2.8		12. 51F		16.0	61F	7.7		871.
15	01	81	0800	0426	3.0		2.6		2.4		12. 51F				7.6		778.
15	01	81	1157	0426	3.4		3.2		2.6		15. 51F				7.7		825.
15	01	81	1558	0426	4.0		3.4		3.4		20. 51F				7.8		940.
15	01	81	1615	0426	4.2		3.8		3.8		20. 51F				7.7		942.
15	01	81	1700	0426	2.0		1.6		1.6		7.8	51F			7.9		596.
15	01	81	1800	0426	3.8		3.5		3.5		18. 51F				7.8		905.
15	01	81	2001	0426	4.0		3.6		3.6		17. 51F				7.7		919.
16	01	81	0000	0426	2.4		2.1		2.1		8.4	51F			7.8		668.
16	01	81	0400	0426			3.5		3.5		9.8	51F			8.0		829.

NAQUADAT DETAILED REPORT
P AND N FORMS PLUS TEMP PH COND

STATION 20AL05BH8500 LAT. 51D 0M 25S LONG. 114D 0M 15S PR 3 UTM 11 710150E 5654650N
 CALGARY - BONHYBROOK SEWAGE TREATMENT PLANT EFFLUENT TO BOW RIVER - GRAB
 SW1/4 S1 T24 R1 W5M

SAMPLE DATE			SUBM ID	15406L PHOSPHOROUS TOTAL PHOSPHATE P		15103F PHOSPHORUS DISSOLVED P		15256F PHOSPHORUS DISSOLVED ORTHO PO4 P		07661F NITROGEN DISSOLVED N		02061S TEMPERATURE OF WATER		10301L PH		02041L SPECIFIC CONDUCT.
D	M	Y		MST	HR	MG/L	MG/L	MG/L	MG/L	MG/L	DEG.C.	DEG.C.	PH	PH	US/CM	
16	01	81	0000	0426		3.2	3.2	3.2	3.2	11.	51F			7.9		824.
25	03	81	0800	0426		3.0	2.8	2.8	2.8	20.	51F			7.6		865.
25	03	81	1200	0426		2.8	2.8	2.8	2.8	19.	51F	9.0 61F		7.6		856.
25	03	81	1600	0426		3.0	3.0	3.0	3.0	23.	51F	10.0 61F		7.6		964.
25	03	81	1615	0426		3.2	3.2	3.0	3.0	25.	51F	10.0 61F		7.6		977.
25	03	81	1705	0426		3.4	3.2	3.2	3.2	24.	51F	9.0 61F		7.6		997.
25	03	81	1800	0426		3.4	3.2	3.2	3.2	26.	51F	10.0 61F		7.6		969.
25	03	81	1952	0426		3.4	3.2	3.2	3.2	26.	51F	11.0 61F		7.6		997.
26	03	81	0000	0426		3.6	2.8	3.6	3.4	25.	51F	11.0 61F		7.6		1008.
26	03	81	0355	0426		2.8		2.6	2.6	17.	51F	9.0 61F		7.6		829.
26	03	81	0800	0426		2.8	2.8	2.8	2.8	18.	51F	9.0 61F		7.6		861.

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A105BM2160 LAT. 50D 51M 18S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				15406L PHOSPHORUS TOTAL PHOSPHATE		15301L PHOSPHORUS TOTAL INORGANIC		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. PO4		15256F PHOSPHORUS DISSOLVED ORTHO PO4		07661F NITROGEN DISSOLVED		07110F NITROGEN DISSOLVED NO3 & NO2		07506L NITROGEN TOTAL AMMONIA	
D	M	Y	HR	SUBM ID	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N	MG/L
28	01	80	0940	0426	.32	.31	.29	.29	.28	.28	.26	.26	.26	2.0	51L	.68	.68	2.0	19L
28	01	80	0945	0426	.33	.30	.29	.29	.28	.28	.26	.26	.27	2.0	51L	.68	.68	1.6	10L
18	02	80	0955	0426	.34	.28	.34	.34	.28	.28	.25	.25	.27	2.0	61L	.68	.68	1.6	19L
18	02	80	1000	0426	.34	.30	.28	.30	.28	.28	.25	.25	.27	2.0	51L	.64	.64		10L
10	03	80	1135	0426	.29	.28	.26	.26	.26	.26	.25	.25	.25	1.6	61L	.60	.60		19L
10	03	80	1140	0426	.29	.29	.27	.27	.26	.26	.25	.25	.25	1.8	51L	.55	.55	1.4	10L
24	03	80	1355	0426	.33	.30	.28	.28	.28	.28	.27	.27	.27	2.6	61L	.45	.45	1.4	19L
24	03	80	1400	0426	.34	.31	.28	.28	.26	.26	.26	.26	.26	2.7	51L	.44	.44	1.4	10L
08	04	80	0955	0426	.30	.28	.23	.23	.22	.22	.21	.21	.21	1.7	61L	.50	.50	1.5	19L
08	04	80	1000	0426	.29	.27	.23	.23	.21	.21	.21	.21	.21	1.8	51L	.51	.51	1.6	10L
21	04	80	0955	0426	.27	.21	.19	.19	.18	.18	.16	.16	.16	1.3	61L	.45	.45	.9	19L
21	04	80	1000	0426	.25	.22	.17	.17	.16	.16	.14	.14	.14	1.3	51L	.45	.45	.8	10L
05	05	80	0935	0426	.20	.19	.15	.15	.15	.15	.14	.14	.14	1.07	51F	.46	.46	.5	19F
05	05	80	0940	0426	.20	.19	.16	.16	.11	.11	.11	.11	.11	.99	51F	.43	.43	.6	
05	05	80	1150	0426	.21		.16		.12		.12		.12	.96	51F				
05	05	80	1500	0426	.25		.19		.15		.15		.15	.99	51F				
05	05	80	1900	0426	.24		.19		.15		.15		.15	1.12	51F				
05	05	80	1915	0426	.24		.19		.15		.15		.15	1.14	51F				
05	05	80	2000	0426	.24		.19		.15		.15		.15	1.15	51F				
05	05	80	2100	0426	.25		.20		.16		.16		.16	1.3	51F				
05	05	80	2300	0426	.26		.20		.16		.16		.16	1.4	51F				
06	05	80	0300	0426	.26		.19		.15		.15		.15	1.3	51F				
06	05	80	0700	0426	.22		.16		.12		.12		.12	1.04	51F				
06	05	80	1100	0426	.20		.14		.10		.10		.10	.86	51F				
20	05	80	0955	0426	.17	.16	.13	.13F	.12	.46F	.067	.66F	1.5					.3	
20	05	80	1000	0426	.19		.16		.099		.068			1.3	51F	.39	.39	.6	
20	05	80	1030	0426	.19	.17	.12	.12	.12		.11			.79	51F	.39	.39	.5	
20	05	80	1031	0426	.19	.17	.13	.13	.10		.096			.80	51F	.40	.40	.5	
20	05	80	1032	0426	.19	.14	.13	.13	.10		.085			.78	51F	.40	.40	.5	
20	05	80	1033	0426	.19	.16	.12	.12	.11		.11			.85	51F	.40	.40	.6	
20	05	80	1034	0426	.20	.17	.13	.13	.12		.11			.74	51F	.40	.40	.2	
20	05	80	1400	0426	.21	.19	.15	.15	.14		.13			.83	51F	.39	.39	.2	
20	05	80	1401	0426	.21	.14	.15	.15	.14		.13			.84	51F	.40	.40	.4	
20	05	80	1402	0426	.20	.17	.15	.15	.13		.13			.84	51F	.40	.40	.4	
20	05	80	1403	0426	.20	.18	.15	.15	.14		.13			.84	51F	.39	.39	.6	
02	06	80	0700	0426	.14	.12	.082	.082	.065		.044			.94		.40	.40	.5	
16	06	80	1000	0426	.070	.060	.035	.035	.020		L.003			.51		.23	.23	L.1	
01	07	80	1000	0426	.10	.015	.094	.094	.013		.013			.84		.42	.42	.3	
14	07	80	1130	0426	.19	.17	.18	.18	.16		.14			1.1		.72	.72	.5	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				15406L PHOSPHORUS TOTAL P MG/L	15301L PHOSPHORUS TOTAL P MG/L	15103F PHOSPHORUS DISSOLVED P MG/L	15356F PHOSPHORUS DISSOLVED INORG. P04 P MG/L	15256F PHOSPHORUS DISSOLVED ORTHO P04 P MG/L	07661F NITROGEN DISSOLVED N MG/L	07110F NITROGEN DISSOLVED NO3 & NO2 N MG/L	07506L NITROGEN TOTAL AMMONIA N MG/L
D	M	Y	HR	SUBM ID							
28	07	80	0700	0426					1.1 51F	1.1	.3
28	07	80	1030	0426	.13	.12	.10	.092	1.2		
28	07	80	1100	0426		.11		.068	1.2		
28	07	80	1500	0426		.12		.10	.93 51F		
28	07	80	1500	0426		.15		.14	1.0 51F		
28	07	80	1900	0426		.16		.15	1.2 51F		
28	07	80	1915	0426		.17		.14	1.2 51F		
28	07	80	2000	0426	.18	.16		.13	1.24 51F		
28	07	80	2100	0426	.18	.17		.13	1.36 51F		
28	07	80	2300	0426	.20	.18		.16	1.38 51F		
29	07	80	0300	0426	.25	.22		.20	1.45 51F		
29	07	80	0700	0426	.27	.24		.22	1.40 51F		
11	08	80	0950	0426	.17	.15	.13	.12	1.1	1.1	
25	08	80	1000	0426	.16	.16	.14	.12	1.7	1.2	.4
08	09	80	1000	0426	.26	.22	.21	.16	1.6	1.2	.3
22	09	80	1000	0426	.23	.22	.20	.20	1.6	1.4	.3
06	10	80	1000	0426	.27	.24	.22	.20	1.6	1.3	.2
13	10	80	0700	0426	.19	.17		.16	1.3 51F	1.2	
13	10	80	1100	0426	.20	.16		.15	1.2 51F	1.0	
13	10	80	1500	0426	.20	.16		.15	1.1 51F	.90	
13	10	80	1900	0426	.21	.18		.17	1.3 51F	1.1	
13	10	80	1915	0426	.21	.18		.18	1.3 51F	1.2	
13	10	80	2000	0426	.22	.19		.18	1.4 51F	1.2	
13	10	80	2100	0426	.22	.19		.19	1.4 51F	1.3	
13	10	80	2300	0426	.23	.20		.20	1.5 51F	1.3	
14	10	80	0300	0426	.26	.22		.22	1.5 51F	1.4	
14	10	80	0700	0426	.26	.25		.22	1.4 51F	1.3	
03	11	80	1100	0426	.24	.22	.20	.18	1.4	1.1	.2
03	11	80	1400	0426	.18	.24	.18	.18	1.2	.80	.4
18	11	80	1000	0426	.35	.26	.25	.24	1.6	.85	.4
08	12	80	1130	0426	.43	.37	.36	.35		.75	2.8
05	01	81	1214	0426	.29	.22	.19	.18	1.3	.49	.6
12	01	81	0800	0426	.26	.24		.21	.95 51F		
12	01	81	1200	0426	.26	.21	.20	.20	.95 51F		
12	01	81	1600	0426	.24	.24	.24	.24	.95 51F		
12	01	81	2000	0426	.28	.25	.24	.24	1.0 51F		
12	01	81	2015	0426	.30	.25	.24	.24	1.1 51F		
12	01	81	2100	0426	.28	.25	.24	.24	1.2 51F		
12	01	81	2200	0426	.29	.25	.24	.24	1.2 51F		
13	01	81	0000	0426	.31	.27	.26	.26			

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				SUBM		15406L PHOSPHORUS TOTAL P	15301L PHOSPHORUS TOTAL INORGANIC P	15103F PHOSPHORUS DISSOLVED P	15356F PHOSPHORUS DISSOLVED INORG. P04 P	15256F PHOSPHORUS DISSOLVED ORTHO P04 P	07661F NITROGEN DISSOLVED N	07110F NITROGEN DISSOLVED NO3 & NO2 N	07506L NITROGEN TOTAL AMMONIA N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
13	01	81	0515	0426	.33			.30		.29	1.4 51F		
13	01	81	0800	0426	.31			.29		.28	1.5 51F		
26	01	81	1230	0426	.24	.22		.19	.17	.17		.43	.8
16	02	81	1200	0426	.27	.24		.21	.21	.18		.46	1.4
09	03	81	1015	0426	.27	.27		.22	.22	.22	1.6	.60	.8
20	03	81	1215	0426	.26	.22		.21	.19	.20	1.8	.50	1.
30	03	81	0800	0426	.44			.22		.19	1.6 51F		
30	03	81	1200	0426	.47			.32	.30	.30	2.2 51F		
30	03	81	1600	0426	.42			.33	.31	.31	2.2 51F		
30	03	81	2000	0426	.40			.31	.31	.31	2.3 51F		
30	03	81	2015	0426	.39			.31	.31	.31	2.3 51F		
30	03	81	2100	0426	.38			.31	.31	.31	2.5 51F		
30	03	81	2200	0426	.38	.24		.20	.20	.20	2.6 51F	.40	1.2
31	03	81	0000	0426	.38	.21		.22	.20	.29	1.9	.48	1.0
31	03	81	0400	0426	.38			.31	.30	.29		.86	
31	03	81	1030	0426	.34			.26	.26	.25		.81	
31	03	81	0800	0426	.37			.30	.29	.29	2.4 51F	2.0	1.5
06	04	81	1430	0426	.27	.32		.20	.26	.26		.30	
21	04	81	1300	0426	.26			.22	.20	.039		.35	
04	05	81	1010	0426		.16		.31	.087	.050		.38	.3
04	05	81	1450	0426	.20			.10	.066	.074	.69	.18	
31	05	81	0735	0426				.022	.013	.013			
04	05	81	1230	0426	.34			.28	.26	.012		.17	
18	05	81	1305	0426				.050	.039	.019	.50	.36	1.1
18	05	81	1320	0426				.066	.036	.024	.48	.36	1.1
19	05	81	1450	0426	.20			.036	.030	.024	.83	.36	1.1
31	05	81	0735	0426				.035	.029	.024	1.1	.36	1.1
31	05	81	0737	0426				.019	.032	.026		.36	1.1
02	06	81	0800	0426	.10	.078		.032	.027	.026	.81	.26	1.1
02	06	81	0805	0426	.097			.036	.033	.029	.51	.26	
02	06	81	0815	0426	.093	.073		.033	.030	.033		.24	
02	06	81	0816	0426	.096	.081		.035	.029	.026		.26	
02	06	81	0825	0426	.11	.083		.036	.032	.026		.29	10L
09	06	81	1030	0426	.15	.13		.042	.037	.033		.33	10L
15	06	81	0734	0426				.062	.033	.033	.91	.83	
15	06	81	0735	0426				.061	.033	.046		.47	
29	06	81	1055	0426				.035	.026	.026		.36	
29	06	81	1105	0426				.067	.056	.056		.33	10L
30	06	81	1400	0426	.11	.090		.059	.050	.048		.83	1.1
14	07	81	1050	0426				.087		.086		.47	
14	07	81	1110	0426				.047		.041		.36	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A105B2160 LAT. 50D 51M 16S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE	MST	D	M	Y	HR	SUBM ID	15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
							PHOSPHORUS TOTAL PHOSPHATE P MG/L	PHOSPHORUS TOTAL INORGANIC P MG/L	PHOSPHORUS DISSOLVED P MG/L	PHOSPHORUS DISSOLVED INORG. P04 P MG/L	PHOSPHORUS DISSOLVED ORTHO P04 P MG/L	NITROGEN DISSOLVED N MG/L	NITROGEN DISSOLVED NO3 & NO2 N MG/L	TOTAL AMMONIA N MG/L
20 07 81 1200		20	07	81	1200	0426	.097	.088	.041	.038	.028	.53	.48	L.1
28 07 81 1100		28	07	81	1100	0426			.036		.029		.25	
28 07 81 1110		28	07	81	1110	0426			.051		.044		.32	
08 08 81 1630		08	08	81	1630	0426	.051		.039	.033		.82	.70	L.1
11 08 81 1115		11	08	81	1115	0426			.036		.024		.32	
11 08 81 1125		11	08	81	1125	0426			.080		.068		.43	
23 08 81 1130		23	08	81	1130	0426			.043		.033		.28	
23 08 81 1145		23	08	81	1145	0426			.074		.062		.39	
24 08 81 1430		24	08	81	1430	0426	.13	.13	.075	.072	.070	.77	.74	L.1
07 09 81 1100		07	09	81	1100	0426			.052		.044		.40	
07 09 81 1110		07	09	81	1110	0426			.085		.073		.52	
20 09 81 1100		20	09	81	1100	0426			.16		.16		1.1	
20 09 81 1105		20	09	81	1105	0426			.19		.18		1.2	
21 09 81 0915		21	09	81	0915	0426		.18	.14	.13		1.9	1.85	L.1
04 10 81 1150		04	10	81	1150	0426	.20		.11	.10			.68	
04 10 81 1200		04	10	81	1200	0426			.15		.14		.82	
15 10 81 0900		15	10	81	0900	0426	.26	.26	.24	.22		2.1	1.8	L.1
23 10 81 1445		23	10	81	1445	0426			.23		.22		1.6	
23 10 81 1500		23	10	81	1500	0426			.28		.26		1.8	
01 11 81 1210		01	11	81	1210	0426			.15		.14		.94	
01 11 81 1215		01	11	81	1215	0426			.18		.17		1.1	
02 11 81 1200		02	11	81	1200	0426	.35	.31	.26	.24		1.8	1.7	.3
12 11 81 1225		12	11	81	1225	0426			.17		.17		.86	
12 11 81 1235		12	11	81	1235	0426			.24		.23		.92	
23 11 81 1130		23	11	81	1130	0426	.19	.17	.15	.14		1.8	1.8	.2
23 11 81 1200		23	11	81	1200	0426	.19	.17	.16	.14		1.9	1.9	L.1
14 12 81 0950		14	12	81	0950	0426	.58	.56	.29	.28		2.3	1.7	.2
08 01 82 1000		08	01	82	1000	0426	.45	.43	.32	.29		2.8	2.3	L.1
01 02 82 1500		01	02	82	1500	0426	.28	.27	.26	.23		1.9	1.7	.5
24 02 82 1130		24	02	82	1130	0426	.27	.26	.24	.23		2.4	2.4	L.1
15 03 82 1000		15	03	82	1000	0426	.37	.35	.12	.10		2.2	2.0	L.1
05 04 82 1120		05	04	82	1120	0426	.34	.31	.15	.15		2.1	2.1	L.1
28 04 82 1130		28	04	82	1130	0426	.33	.32	.14	.14		1.4	1.4	L.1

STATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
BOH RIVER STIERS RANCH

SAMPLE DATE			020613S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
MST			DEG.C.		JTU		MG/L		MG/L		N MG/L		MG/L		MG/L	
D	M	Y	HR	SUBM ID												
28	01	80	0940	0426	2.0		11.		11.		.08	02L	.51	02L	1.06L	
28	01	80	0945	0426	1.1		2.		1.						1.04L	
18	02	80	0955	0426	3.0		5.		3.		1.9	02L	1.1	02L	1.06L	
18	02	80	1000	0426	1.5		7.		6.						1.06L	
10	03	80	1135	0426	1.2		6.		3.		.20	02L	1.4	02L	1.06L	
10	03	80	1140	0426	1.2		3.		1.						1.04L	
24	03	80	1355	0426	3.2		8.		6.		.24	02L	1.3	02L	2.06L	
24	03	80	1400	0426	2.8		6.								2.04L	
08	04	80	0955	0426	3.6		10.		7.						3.06L	
08	04	80	1000	0426	3.1		8.		6.						3.04L	
21	04	80	0955	0426	.3		13.		10.						2.06L	
21	04	80	1000	0426	.3		8.		6.						2.04L	
05	05	80	0935	0426	1.9		5.		3.		.27		1.5		1.06F	
05	05	80	0940	0426	2.7		8.		5.						2.	
05	05	80	1150	0426												
05	05	80	1500	0426												
05	05	80	1900	0426												
05	05	80	1915	0426												
05	05	80	2000	0426												
05	05	80	2100	0426												
05	05	80	2300	0426												
06	05	80	0300	0426												
06	05	80	0700	0426												
06	05	80	1100	0426												
20	05	80	0955	0426	2.0		9.		8.		.24		1.3		2.06F	
20	05	80	1000	0426												
20	05	80	1030	0426	2.7		16.		14.						2.	
20	05	80	1031	0426			8.		5.		.21		1.4		2.	
20	05	80	1032	0426			9.		6.		.16		1.2		2.	
20	05	80	1032	0426			12.		8.		.15		1.0		2.	
20	05	80	1033	0426			14.		10.		.18		1.2		2.	
20	05	80	1034	0426			13.		10.		.18		1.2		2.	
20	05	80	1400	0426			9.		8.		.15		.91		2.	
20	05	80	1401	0426			7.		6.		.13		.77		2.	
20	05	80	1402	0426			11.		11.		.15		.82		2.	
20	05	80	1403	0426			10.		9.		.11		.57		2.	
02	06	80	0700	0426	17.0		29.0		26.0		.13		.86		3.	
16	06	80	1000	0426	1.7		7.0		6.0		.11		.74		3.	
01	07	80	1000	0426	2.0		2.0		1.0		.10		.37		1.	
14	07	80	1130	0426	1.5		11.		11.						2.	

STATION 00AT05BH2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE			020615S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	SUBM ID	JTU	MG/L	MG/L	N	MG/L	MG/L
28	07	80	0700	0426						1.
28	07	80	1030	0426	2.5	5.	3.	.20	1.0	
28	07	80	1100	0426						
28	07	80	1500	0426						
28	07	80	1900	0426						
28	07	80	1915	0426						
28	07	80	2000	0426						
28	07	80	2100	0426						
28	07	80	2300	0426						
29	07	80	0300	0426						
29	07	80	0700	0426						
11	08	80	0950	0426	1.5	4.	4.	.20	1.1	2.
25	08	80	1000	0426	2.0	4.	2.	.12	.68	2.
08	09	80	1000	0426	4.7	13.	10.	.20	1.2	2.
22	09	80	1000	0426	1.1	3.	1.	.04	.21	1.
06	10	80	1000	0426	1.1	1.	11.	.15	.84	2.
13	10	80	0700	0426						
13	10	80	1100	0426						
13	10	80	1500	0426						
13	10	80	1900	0426						
13	10	80	1915	0426						
13	10	80	2000	0426						
13	10	80	2100	0426						
13	10	80	2300	0426						
14	10	80	0300	0426						
14	10	80	0700	0426						
20	10	80	1100	0426	3.7	4.	3.	.08	.57	1.
03	11	80	1400	0426	1.4	3.	2.	.12	.64	1.
18	11	80	1000	0426	2.7	5.	3.	.15	.93	1.
08	12	80	1130	0426	2.2	7.	3.	.29	1.7	2.
05	01	81	1214	0426	2.9	6.	5.	.13	.83	2.
12	01	81	0800	0426						
12	01	81	1200	0426						
12	01	81	1600	0426						
12	01	81	2000	0426						
12	01	81	2015	0426						
12	01	81	2100	0426						
12	01	81	2200	0426						
13	01	81	0000	0426						

STATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	SUBM ID	DEG.C.	JTU	MG/L	MG/L	N	MG/L	MG/L
13	01	81	0515	0426	1. 61F						
13	01	81	0800	0426	1. 61F						
26	01	81	1230	0426		6.2	16.	11.	.20	1.4	2.
16	02	81	1200	0426		3.0	10.	8.	.16	.98	2.
09	03	81	1015	0426		1.8	15.	13.	.23	1.4	1.
20	03	81	1215	0426		3.0	14.	12.	.15	1.0	2.
30	03	81	0800	0426	4.0 61F						
30	03	81	1200	0426	4.0 61F						
30	03	81	1600	0426	6.0 61F						
30	03	81	2000	0426	5.0 61F						
30	03	81	2015	0426	5.0 61F						
30	03	81	2100	0426	5.0 61F						
30	03	81	2200	0426	5.0 61F						
31	03	81	0000	0426	5.0 61F						
31	03	81	0400	0426	4.0 61F						
31	03	81	0800	0426	4.0 61F						
06	04	81	1430	0426	5.0 61F			8.	.18	.68	2.
21	04	81	1300	0426		3.5	9.	168.	.22	1.1	2.
04	05	81	1230	0426		2.5	179.	16.	.18	1.1	2.
18	05	81	1305	0426	11.0 61F	5.0	19.				
18	05	81	1320	0426							
19	05	81	1450	0426	11.0 61F	25.	138.	128.	.28	1.8	4.
31	05	81	0735	0426	11.0 61F						
31	05	81	0737	0426	11.0 61F						
02	06	81	0800	0426			95.	85.	.15	1.1	3.
02	06	81	0805	0426							
02	06	81	0815	0426			97.	88.	.18	1.3	3.
02	06	81	0816	0426			69.	62.	.15	1.1	3.
02	06	81	0825	0426			79.	69.	.14	1.0	4.
09	06	81	1030	0426	10.0 61F	25.	67.	57.	.17	1.4	4.
29	06	81	1055	0426	14.0 61F		90.	85.	.25	2.1	3.
29	06	81	1105	0426	14.0 61F						
30	06	81	1400	0426	13.0 61F	21.	27.	24.	.10	1.1	2.
14	07	81	1050	0426	13.0 61F						
14	07	81	1110	0426	13.0 61F						
20	07	81	1200	0426		24.	114.		.13	1.2	2.
28	07	81	1100	0426	16.0 61F						
28	07	81	1110	0426	16.0 61F						
08	08	81	1630	0426		14.0	247.	226.	.11	.58	2.

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOCSTATION 00AT05BH2160 LAT. 50D 51M 18S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE			SUBM		02061S		02073L		10401L		10501L		07902F		06902F		06104F	
MST			ID		TEMPERATURE		TURBIDITY		RESIDUE		RESIDUE		NITROGEN		CARBON		CARBON	
D M Y			HR		OF		JTU		NONFILTR.		NONFILTR.		MG/L		MG/L		MG/L	
					WATER													
					DEG.C.													
11	08	81	1115	0426	18.	61F												
11	09	81	1125	0426	17.	61F												
23	08	81	1130	0426	18.	61F												
23	08	81	1145	0426	18.	61F												
24	08	81	1430	0426	21.0	61F	10.0		50.		42.		.13		1.2		1.	
07	09	81	1100	0426	15.	61F												
07	09	81	1110	0426	15.	61F												
20	09	81	1100	0426	14.	61F												
20	09	81	1105	0426	14.	61F												
21	09	81	0915	0426			7.2		39.		34.		.14		1.0		1.	
04	10	81	1150	0426	9.5	61F												
04	10	81	1200	0426	8.	61F												
15	10	81	0900	0426			2.4		24.		22.		.12		.94		3.	
23	10	81	1445	0426	6.	61F												
23	10	81	1500	0426	6.	61F												
02	11	81	1200	0426			3.6		15.		11.		.28		2.4		2.	
12	11	81	1225	0426	7.	61F												
12	11	81	1235	0426	6.	61F												
23	11	81	1130	0426			3.2		6.		4.		.08		.38		2.	
23	11	81	1200	0426			3.0		5.		4.		.11		.62		1.	
14	12	81	0950	0426	.0	61F	8.5		112.		91.		.34		2.7		2.	
08	01	82	1000	0426	.0	61F	2.4		16.		13.		.36		2.8		2.	
01	02	82	1500	0426	.0	61F	2.2		2.		2.		.09		.36		2.	
24	02	82	1130	0426	.0	61F	2.5		3.		2.		.09				2.	
15	03	82	1000	0426	5.0	61F	25.		102.		91.		.46		3.7		2.	
05	04	82	1120	0426	.0	61F	14.		27.		23.		.35		2.8		2.	
28	04	82	1130	0426			16.		52.		42.		.27		2.0		4.	

PH DIC ALK COND CL SIO2

STATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR	ID	PH UNITS							
28	01	80	0940	0426	7.8	34. 53L	141.	.0	444.	4.3	4.3	4.3
28	01	80	0945	0426	7.8	35. 52L	141.	.0	448.	4.5	4.5	4.5
18	02	80	0955	0426	7.8	28. 53L	109.	.0	449.	3.9	3.9	3.9
18	02	80	1000	0426	7.8	28. 52L	109.	.0	447.	4.0	4.0	4.0
10	03	80	1135	0426	7.8	26. 53L	132.	.0	420.	4.8	4.8	4.8
10	03	80	1140	0426	7.8	26. 52L	131.	.0	425.	4.5	4.5	4.5
24	03	80	1355	0426	8.2	24. 53L	120.	.0	441.	4.2	4.2	4.2
24	03	80	1400	0426	8.2	20. 52L	110.	.0	440.	3.9	3.9	3.9
08	04	80	0955	0426	7.6	22. 53L	130. 01L	.0	389.	8.8	8.8	4.0
08	04	80	1000	0426	7.8	22. 52L	130. 01L	.0	395.	6.9	6.9	3.8
21	04	80	0955	0426	7.6	28. 53L	130. 01L	0.	373.	4.6	4.6	3.1
21	04	80	1000	0426	7.8	28. 52L	130. 01L	0.	369.	4.5	4.5	3.2
05	05	80	0935	0426	8.0	24. 53F	120. 01L	0.	334.	3.8	3.8	2.5
05	05	80	0940	0426	8.0	23.	120. 01L	0.	328.	3.7	3.7	2.2
20	05	80	0955	0426	7.6	22. 53F	105. 01L	0.	306.	2.7	2.7	3.6
20	05	80	1000	0426	7.7	23.	105. 01L	0.	305.	2.7	2.7	3.2
20	05	80	1030	0426	8.0	22.	106. 01L	0.	307.	2.7	2.7	3.6
20	05	80	1031	0426	8.0	22.	101. 01L	0.	310.	2.7	2.7	3.6
20	05	80	1032	0426	8.0	22.	107. 01L	0.	306.	2.7	2.7	3.4
20	05	80	1033	0426	8.0	22.	103. 01L	0.	304.	2.7	2.7	3.8
20	05	80	1034	0426	8.2	22.	106. 01L	0.	322.	2.5	2.5	4.2
20	05	80	1400	0426	8.2	22.	106. 01L	0.	310.	3.0	3.0	3.2
20	05	80	1401	0426	8.2	22.	105. 01L	0.	310.	3.0	3.0	3.4
20	05	80	1402	0426	8.2	22.	107. 01L	0.	309.	3.0	3.0	3.4
20	05	80	1403	0426	8.2	22.	106. 01L	0.	309.	3.0	3.0	3.4
02	06	80	0700	0426	7.9	23.	112. 01L	.0	315.	2.9	2.9	3.6
16	06	80	1000	0426	7.6	22.	112. 01L	.0	314.	2.4	2.4	3.8
01	07	80	1000	0426	8.2	22.	113. 01L	.0	316.	2.7	2.7	3.4
14	07	80	1130	0426	8.7	25.	114. 01L	.0	330.	3.7	3.7	2.0
28	07	80	1030	0426	7.9	24.	111. 01L	.0	324.	3.4	3.4	2.7
11	08	80	0950	0426	7.7	23.	108. 01L	.0	322.	3.4	3.4	3.6
25	08	80	1000	0426	8.1	24.	113. 01L	.0	336.	3.7	3.7	3.8
08	09	80	1000	0426	8.0	24.	114. 01L	.0	354.	4.5	4.5	3.4
22	09	80	1000	0426	8.1	28.	120. 01L	.0	360.	3.6	3.6	3.1
06	10	80	1000	0426	7.8	28.	120. 01L	.0	366.	4.7	4.7	2.3
13	10	80	0700	0426	7.7				361.			
13	10	80	1100	0426	7.7				361.			
13	10	80	1500	0426	8.1				352.			
13	10	80	1900	0426	7.8				369.			

NAQUADAT DETAILED REPORT
PH DIC ALK COND CL SIO2

STATION 00AT05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 05 PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR				MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	MG/L	MG/L	CL	MG/L	SIO2	MG/L
13	10	80	1915	0426	7.9								372.					
13	10	80	2000	0426	7.9								371.					
13	10	80	2100	0426	7.7								379.					
13	10	80	2300	0426	7.7								378.					
14	10	80	0300	0426	7.7								374.					
14	10	80	0700	0426	7.7								369.					
20	10	80	1100	0426	7.8		29.		122. 01L		.0		366.		3.9		2.8	
03	11	80	1400	0426	8.3		33.		127. 01L		.0		377.		6.2		3.3	
18	11	80	1000	0426	8.0		31.		133. 01L		.0		397.		6.4		3.4	
08	12	80	1130	0426	8.0		32.		143. 01L		.0		432.		6.2		4.4	
05	01	81	1214	0426	8.0		26.		135. 01L		.0		401.		4.7		4.1	
12	01	81	0800	0426									386.					
12	01	81	1200	0426									388.					
12	01	81	1600	0426									395.					
12	01	81	2000	0426														
12	01	81	2015	0426	7.8								401.					
12	01	81	2100	0426									400.					
12	01	81	2200	0426									401.					
13	01	81	0000	0426									403.					
13	01	81	0515	0426									403.					
13	01	81	0800	0426	7.9								401.					
26	01	81	1230	0426			35.		130. 01L		.0		376.		4.3		3.6	
16	02	81	1200	0426	7.9		34.		125. 01L		.0		392.		6.9		3.3	
09	03	81	1015	0426	8.2		37.		123. 01L		.0		384.		5.6		3.2	
20	03	81	1215	0426	8.2		41.		131. 01L		.0		400.		.9		3.0	
30	03	81	0800	0426	7.6								379.					
30	03	81	1200	0426	7.5								384.					
30	03	81	1600	0426	7.6								397.					
30	03	81	2000	0426	7.7								410.					
30	03	81	2015	0426	7.7								411.					
30	03	81	2100	0426	7.6								419.					
30	03	81	2200	0426	7.6								420.					
31	03	81	0000	0426	7.6								424.					
31	03	81	0400	0426	7.7								424.					
31	03	81	0800	0426	7.7								420.					
06	04	81	1430	0426	8.4		32.		127. 01L		.0		384.		4.2		3.3	
21	04	81	1300	0426	8.2		31.		124. 01L		.0		394.		5.0		3.2	
04	05	81	1010	0426	7.9								403.		6.0		2.8	
04	05	81	1030	0426	8.0								394.		5.3		2.6	

PH DIC ALK COND CL SIO2

STATION 00A05BM2160 LAT. 50D 51M 18S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
BOW RIVER STIERS RANCH

SAMPLE DATE				10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR	SUBM ID	PH UNITS	MG/L		MG/L		MG/L		US/CM		CL MG/L		SIO2 MG/L	
04	05	81	1230	0426	7.8	34.		131. 01L		.0		404.		5.8		2.8	
18	05	81	1305	0426	8.2							371.		2.9		4.3	
18	05	81	1320	0426	8.1							388.		3.7		5.1	
19	05	81	1450	0426	8.1	34.		138. 01L		.0		390.		4.3		4.8	
31	05	81	0735	0426	8.1							287.		1.4		4.2	
31	05	81	0737	0426	8.1							287.		1.4		4.2	
02	06	81	0800	0426	7.5	28.		121. 01L		.0		306.		1.7		5.0	
02	06	81	0805	0426	7.8	28.		121. 01L		.0		303.		1.7		5.0	
02	06	81	0815	0426	7.6	28.		118. 01L		.0		306.		1.7		5.0	
02	06	81	0816	0426	7.7	27.		123. 01L		.0		308.		1.8		4.9	
02	06	81	0825	0426	7.8	28.		122. 01L		.0		302.		1.8		4.9	
09	06	81	1030	0426	7.7	28.		121. 01L		.0		314.		2.6		5.5	
15	06	81	0734	0426	8.1							313.		1.7		4.3	
15	06	81	0735	0426	8.1							324.		2.1		4.8	
29	06	81	1055	0426	8.4							326.		1.9		3.3	
29	06	81	1105	0426	8.4							333.		2.3		3.5	
30	06	81	1400	0426	8.0	27.		126. 01L		.0		337.		3.0		4.0	
14	07	81	1050	0426	8.5							299.		2.6		3.1	
14	07	81	1110	0426	8.7							292.		2.0		2.8	
20	07	81	1200	0426	8.0	28.		112. 01L		.0		292.		2.0		3.7	
28	07	81	1100	0426	8.3							289.		1.7		3.6	
28	07	81	1110	0426	8.3							299.		2.2		3.7	
08	08	81	1630	0426	8.2	28.		117. 01L		.0		312.		2.8		4.1	
11	08	81	1115	0426	8.4							300.		1.8		3.4	
11	08	81	1125	0426	8.4							307.		2.2		3.3	
23	08	81	1130	0426	8.5							301.		1.8		3.7	
23	08	81	1145	0426	8.5							305.		2.1		3.8	
24	08	81	1430	0426	8.0	28.		117. 01L		.0		313.		2.6		3.7	
07	09	81	1100	0426	8.4							316.		2.0		3.4	
07	09	81	1110	0426	8.3							320.		2.5		3.2	
20	09	81	1100	0426	8.2							325.		4.1		2.8	
20	09	81	1105	0426	8.0							329.		4.6		2.8	
21	09	81	0915	0426	7.7	28.		124. 01L		.0		343.		4.0		2.8	
04	10	81	1150	0426	8.2							341.		3.6		2.0	
04	10	81	1200	0426	8.0							348.		4.1		2.2	
15	10	81	0900	0426	7.6	28.		132. 01L		.0		391.		7.8		2.8	
23	10	81	1445	0426	7.7							392.		5.9		2.0	
23	10	81	1500	0426	7.8							400.		6.7		2.8	
01	11	81	1210	0426	8.3							368.		4.0		2.2	

PH DIC ALK COND CL SIO2

STATION 00A05EH2160 LAT. 50D 51M 18S LONG. 113D 56M 0S PR 4 UTM 12 293600E 5637600N
 BOW RIVER STIERS RANCH

SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR	MS	ID							
01	11	81	1215		0426	8.2						
02	11	81	1200		0426	7.5	32.	133. 01L	.0	377.	4.6	2.4
12	11	81	1225		0426	8.5				387.	5.4	2.6
12	11	81	1235		0426	8.2				370.	4.7	2.2
23	11	81	1130		0426	7.5	24.	138. 01L	.0	388.	7.4	3.4
23	11	81	1200		0426	7.4	24.	136. 01L	.0	382.	7.4	3.4
14	12	81	0950		0426	7.3	35.	144. 01L	.0	412.	7.0	4.1
08	01	82	1000		0426	7.5	35.	149. 01L	.0	442.	9.0	4.8
01	02	82	1500		0426	7.5	31.	140. 01L	.0	389.	5.5	4.4
24	02	82	1130		0426	7.6	38.	140. 01L	.0	400.	8.5	4.6
15	03	82	1000		0426	7.6	34.	140. 01L	.0	422.	13.	4.8
05	04	82	1120		0426	7.8	35.	145. 01L	.0	410.	11.	4.8
28	04	82	1130		0426	7.7	24.	130. 01L	.0	353.	7.5	3.9

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A05BM2161 LAT. 50D 53M 34S LONG. 114D 27M 0S PR 3 UTM 11 679350E 5640800N
BOW RIVER AT HIGHWAY 22X, CALGARY

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL PHOSPHATE P	15301L PHOSPHORUS TOTAL INORGANIC P	15103F PHOSPHORUS DISSOLVED P	15356F PHOSPHORUS DISSOLVED INORG. P	15256F PHOSPHORUS DISSOLVED ORTHO P	07661F NITROGEN DISSOLVED N	07110F NITROGEN DISSOLVED NO3 & NO2 N	07506L NITROGEN TOTAL AMMONIA N
D	M	Y	HR		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
14	05	79	1355	0426	.12	.099	.089	.083	.068	.81	.23	.6
14	05	79	1430	0426	.11	.10	.077	.077	.077	.87	.21	.6
28	05	79	1130	0426	.14	.11	.095	.082	.072	.59	.20	.5
28	05	79	1215	0426	.14	.13	.095	.082	.078	.64	.20	.5
11	06	79	1020	0426	.25	.25	.16	.14	.13	1.3	.35	.1
11	06	79	1050	0426	.24	.21	.19	.16	.13	1.4	.33	.1
25	06	79	1050	0426	.29	.26	.22	.20	.18	1.7	.48	1.6
25	06	79	1110	0426	.28	.27	.23	.21	.18	.37	.37	1.6
09	07	79	0930	0426	.19	.16	.14	.14	.12	1.0	.42	.7
09	07	79	0950	0426	.18	.17	.13	.090	.13	.95	.41	.2
23	07	79	0910	0426	.19	.16		.12	.12	1.2	.78	.6
23	07	79	0925	0426	.18	.16	.16	.12	.14	.81	.51	.5
05	08	79	1330	0426	.20	.17	.18	.10	.13	1.18	.94	1.1
05	08	79	1345	0426	.20	.20	.14	.17	.11	1.00	.80	.4
20	08	79	0930	0426	.22	.18	.17		.14	1.3	1.1	1.1
20	08	79	0945	0426	.21	.19	.17	.15	.15	1.5	1.3	.1
23	09	79	1430	0426	.35	.29	.31	.29	.29	1.9	1.1	.7
23	09	79	1450	0426	.36	.29	.31	.29	.29	1.8	1.1	.9
08	10	79	1325	0426	.41	.36	.35	.33	.31	2.3	1.5	1.1
08	10	79	1330	0426	.42	.37	.34	.33	.31		1.5	1.7
28	10	79	1655	0426	.50			.45	.42	2.5	1.3	.6
28	10	79	1700	0426	.52			.46	.43	2.5	1.3	1.4
18	11	79	1525	0426	.55	.54	.54	.46	.42	3.5	1.1	1.9
18	11	79	1530	0426	.80	.54	.48	.46	.40	3.4	1.1	2.1
09	12	79	1525	0426	.74	.66	.46	.50	.46	3.8	.95	1.8
09	12	79	1530	0426	.76	.64	.48	.48	.42	3.6	.90	2.9
07	01	80	1310	0426	.38	.36	.32	.32	.30	2.2	.75	1.7
07	01	80	1315	0426	.36	.34	.33	.33	.22	2.6	.75	1.6
14	07	80	1020	0426	.094	.077	.087	.068	.061	.80	.46	.4
07	09	80	1015	0426	.15	.14	.13	.13	.12	.92	.76	.2
06	07	81	1000	0426	.014	.014	.008	.007	.003	.25	.19	1.1
31	08	81	0940	0426	.048	.041	.043	.034	.029		.32	.2

STATION 00AT05BM2161
80W RIVER AT HIGHWAY

SAMPLE DATE				020615S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	SUBH ID	DEG.C.	JTU	MG/L	MG/L	N MG/L	MG/L	MG/L
14	05	79	1355	0426	11.5	7.4	8.	2.	.12		
14	05	79	1430	0426	11.5	9.9	2.	LI.	.13		
28	05	79	1130	0426	13.	18.	13.	10.	.18		
28	05	79	1215	0426	13.	15.	12.	10.	.18		
11	06	79	1020	0426	12.5	1.9	6.	3.	.54		
11	06	79	1050	0426	12.5	2.3	10.	8.	.19		
25	06	79	1050	0426	14.5	4.3	LI.	LI.	.19		
25	06	79	1110	0426	14.5	4.1	1.	LI.	.16		
09	07	79	0930	0426	15.5	4.5	4.	2.	.11		
09	07	79	0950	0426	15.5	2.7	1.	LI.			
23	07	79	0910	0426	17.		2.	LI.	.15		
23	07	79	0925	0426	17.		LI.	LI.			
05	08	79	1330	0426	17.5	1.4	11.7	9.0	.08		
05	08	79	1345	0426	17.5	1.3	LI.	LI.	.07		
20	08	79	0930	0426	15.5	.4	LI.	LI.			
20	08	79	0945	0426	15.5	.7	2.6	2.	.27		
23	09	79	1430	0426	14.	1.4	2.	LI.			
23	09	79	1450	0426	14.	1.4	3.	1.			
08	10	79	1325	0426	10.	2.1	5.	1.			
08	10	79	1330	0426	10.	2.3	7.	4.			
28	10	79	1655	0426	2.	3.0	4.	3.	.39		
28	10	79	1700	0426	2.	5.5	4.	3.			
18	11	79	1525	0426	3.	2.5	4.	3.	.37 02L		
3.	18	11	79	1530	0426	1.5	4.	LI.			
09	12	79	1525	0426	3.	8.5	5.	2.	.38 02L		
09	12	79	1530	0426	3.	2.5	6.	3.			
07	01	80	1310	0426	0.	1.3	3.	LI.	.16 02L	.98 02L	3. 06L
07	01	80	1315	0426	0.	.9	3.	2.			2. 04L
15.2	14	07	80	1020	0426		2.	2.	.06 02L	.36 02L	1. 04L
14.7	07	80	1015	0426	15.2 61F 14.7 61F		9.	7.	.04 02L	.43 02L	2. 04L
06	07	81	1000	0426	14.0 61F		7.	6.	.06	.22	2.
14.0	07	81	0940	0426	14.0 61F		3.	2.	.04	.17	1.

STATION 00AT05BM2161 LAT. 50D 53M 34S LONG. 114D 27M 0S PR 3 UTM 11 679350E 5640800N
 BOW RIVER AT HIGHWAY 22X, CALGARY

SAMPLE DATE			SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT. US/CM	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y								
14	05	79	1355	0426				351.		
14	05	79	1430	0426		119.		354.		
28	05	79	1130	0426		116.	.0	343.		
28	05	79	1215	0426	8.1	116.	.0	342.		
11	06	79	1020	0426	8.1	111.	.0	327.		
11	06	79	1050	0426	8.1	111.	.0	327.		
25	06	79	1050	0426	8.0	113.	.0	333.		
25	06	79	1110	0426	8.0	113.	.0	331.		
09	07	79	0930	0426	8.1	110.	.0	327.		
09	07	79	0950	0426	8.2	108.	.0	326.		
23	07	79	0910	0426	7.5	104.	.0	289.		
23	07	79	0925	0426	7.5	103.	.0	300.		
05	08	79	1330	0426	8.5	99.	12.	303.		
05	08	79	1345	0426	8.5	103.	.0	303.		
20	08	79	0930	0426	7.8	100.	.0	320.		
20	08	79	0945	0426	7.7	103.	.0	323.		
23	09	79	1430	0426	8.0	117.	.0	352.		
23	09	79	1450	0426	8.0	114.	.0	355.		
08	10	79	1325	0426	7.7	137.	.0	391.		
08	10	79	1330	0426	7.8	128.	.0	396.		
28	10	79	1655	0426	7.6	137.	.0	422.		
28	10	79	1700	0426	7.6	138.	.0	424.		
18	11	79	1525	0426	7.8	140.	.0	435.		
18	11	79	1530	0426	7.8	140.	.0	433.		
09	12	79	1525	0426	7.8	122.	.0	481.		
09	12	79	1530	0426	8.2	122.	.0			5.1
07	01	80	1310	0426	7.7	146.	.0	454.		5.1
07	01	80	1315	0426	7.7	144.	.0	462.		2.4
14	07	80	1020	0426	8.7	113. 01L	5.9	310.	2.3	3.0
07	09	80	1015	0426	8.4	115. 01L	.1	334.	3.1	
06	07	81	1000	0426	8.6	118. 01L	3.2	298.	1.5	3.6
31	08	81	0940	0426	8.5	117. 01L	.2	303.	1.8	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A05082215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE MST D M Y	SUBM ID	15406L PHOSPHORUS TOTAL PHOSPHATE P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15 05 79 0905	0426	.078	.073	.073	.043 13F	.044 46F	.043 13F	.044 46F	.039 66F	.65	.31 19F	.1	.31 19F	.1	.31 19F	.1	.1
15 05 79 0945	0426	.092	.070	.070	.046	.045	.046	.045	.030	.65 51F	.32	.2	.32	.2	.32	.2	.2
29 05 79 0615	0426	.15	.13	.13	.058 13F	.042 46F	.058 13F	.042 46F	.047 66F	.53	.30 19F	.3	.30 19F	.3	.30 19F	.3	.3
29 05 79 0645	0426	.16	.12	.12	.058	.05	.058	.05	.046	.55 51F	.30	.2	.30	.2	.30	.2	.2
12 06 79 0700	0426	.078	.05	.05	.058 13F	.027 46F	.058 13F	.027 46F	.042 66F	.82	.50 19F	.2	.50 19F	.2	.50 19F	.2	.2
12 06 79 0725	0426	.075	.051	.051	.073	.043	.073	.043	.048	.82 51F	.55	.2	.55	.2	.55	.2	.2
26 06 79 0615	0426	.15	.12	.12	.11 13F	.094 46F	.11 13F	.094 46F	.086 66F	1.2	.74 19F	.3	.74 19F	.3	.74 19F	.3	.3
26 06 79 0635	0426	.13	.12	.12	.11	.094	.11	.094	.084 66F	1.0 51F	.78	.2	.78	.2	.78	.2	.2
09 07 79 0715	0426	.13	.12	.12	.082 13F	.061 46F	.082 13F	.061 46F	.080 66F	.71	.54 19F	.1	.54 19F	.1	.54 19F	.1	.1
09 07 79 0730	0426	.13	.13	.13	.071	.065	.071	.065	.065	.82 51F	.56	L.1	.56	L.1	.56	L.1	L.1
23 07 79 0650	0426	.11	.091	.091	.11 13F	.080 46F	.11 13F	.080 46F	.080 66F	.65	.53 19F	L.1	.53 19F	L.1	.53 19F	L.1	L.1
23 07 79 0705	0426	.11	.074	.074	.085 13F	.075	.085 13F	.075	.061 66F	.59 51F	.50	L.1	.50	L.1	.50	L.1	L.1
05 08 79 1025	0426	.11	.075	.075	.074	.054 46F	.074	.054 46F	.061 66F	.80	.60 19F	L.1	.60 19F	L.1	.60 19F	L.1	L.1
05 08 79 1040	0426	.093	.075	.075	.074	.068	.074	.068	.052	.80 51F	.60	L.1	.60	L.1	.60	L.1	L.1
21 03 79 0825	0426	.16	.14	.14	.13 13F	.11 46F	.13 13F	.11 46F	.11 66F	1.0	.92 19F	L.1	.92 19F	L.1	.92 19F	L.1	L.1
21 08 79 0830	0426	.15	.14	.14	.13	.12	.13	.12	.11	.91 51F	.88	L.1	.88	L.1	.88	L.1	L.1
24 09 79 0640	0426	.20	.15	.15	.16 13F	.15 46F	.16 13F	.15 46F	.15 66F	1.1 51F	.96 19F	L.1	.96 19F	L.1	.96 19F	L.1	L.1
24 09 79 0645	0426	.20	.15	.15	.16	.15	.16	.15	.15	1.1 51F	.90	L.1	.90	L.1	.90	L.1	L.1
09 10 79 0640	0426	.20	.18	.18	.19 13F	.17 46F	.19 13F	.17 46F	.17 66F	1.4	1.3 19F	L.1	1.3 19F	L.1	1.3 19F	L.1	L.1
09 10 79 0645	0426	.21	.17	.17	.18	.17	.18	.17	.17	1.4 51F	1.3	L.1	1.3	L.1	1.3	L.1	L.1
29 10 79 0755	0426	.28	.26	.26	.27 13F	.25 46F	.27 13F	.25 46F	.24 66F	2.0	1.7 19F	L.1	1.7 19F	L.1	1.7 19F	L.1	L.1
29 10 79 0800	0426	.28	.25	.25	.27	.25	.27	.25	.24	2.0 51F	1.7	L.1	1.7	L.1	1.7	L.1	L.1
19 11 79 0725	0426	.27	.24	.24	.25 13L	.23 46L	.25 13L	.23 46L	.22 66L	2.4 61L	1.7 19L	.3	1.7 19L	.3	1.7 19L	.3	.3
19 11 79 0730	0426	.27	.24	.24	.23 13L	.22 56L	.23 13L	.22 56L	.22 56L	2.0 51L	1.7 10L	.3	1.7 10L	.3	1.7 10L	.3	.3
10 12 79 0755	0426	.25	.23	.23	.24 13L	.23 46L	.24 13L	.23 46L	.23 66L	1.9 61L	1.20 19L	.6	1.20 19L	.6	1.20 19L	.6	.6
10 12 79 0800	0426	.26	.24	.24	.25 13L	.23 56L	.25 13L	.23 56L	.23 56L	2.0 51L	1.6 10L	.7	1.6 10L	.7	1.6 10L	.7	.7
07 01 80 1125	0426	.28	.26	.26	.26 13L	.25 46L	.26 13L	.25 46L	.24 66L	2.2 61L	1.3 19L	1.0	1.3 19L	1.0	1.3 19L	1.0	1.0
07 01 80 1130	0426	.27	.26	.26	.26 13L	.26 56L	.26 13L	.26 56L	.24 56L	2.3 51L	1.2 10L	.9	1.2 10L	.9	1.2 10L	.9	.9
28 01 80 0825	0426	.26	.26	.26	.24 13L	.23 46L	.24 13L	.23 46L	.23 66L	2.4 61L	1.4 19L	1.2	1.4 19L	1.2	1.4 19L	1.2	1.2
28 01 80 0830	0426	.28	.26	.26	.24 13L	.24 56L	.24 13L	.24 56L	.24 56L	2.0 51L	1.3 10L	1.2	1.3 10L	1.2	1.3 10L	1.2	1.2
18 02 80 0825	0426	.26	.25	.25	.24 13L	.23 46L	.24 13L	.23 46L	.22 66L	1.8 61L	1.2 19L	.7	1.2 19L	.7	1.2 19L	.7	.7
18 02 80 0830	0426	.26	.25	.25	.23 13L	.23 56L	.23 13L	.23 56L	.23 56L	2.0 51L	1.2 10L	.7	1.2 10L	.7	1.2 10L	.7	.7
10 03 80 0955	0426	.26	.25	.25	.22 13L	.22 46L	.22 13L	.22 46L	.21 66L	1.7 61L	.80 19L	.7	.80 19L	.7	.80 19L	.7	.7
10 03 80 1000	0426	.26	.25	.25	.22 13L	.22 56L	.22 13L	.22 56L	.22 56L	1.7 51L	1.0 10L	.7	1.0 10L	.7	1.0 10L	.7	.7
24 03 80 0855	0426	.35	.31	.31	.25 13L	.24 46L	.25 13L	.24 46L	.23 66L	1.8 61L	.86 19L	1.0	.86 19L	1.0	.86 19L	1.0	1.0
24 03 80 0900	0426	.42	.37	.37	.25 13L	.25 56L	.25 13L	.25 56L	.24 56L	1.9 51L	.86 10L	1.0	.86 10L	1.0	.86 10L	1.0	1.0
08 04 80 0825	0426	.29	.26	.26	.21 13L	.20 46L	.21 13L	.20 46L	.18 66L	1.5 61L	.58 19L	.9	.58 19L	.9	.58 19L	.9	.9
08 04 80 0830	0426	.28	.25	.25	.21 13L	.19 56L	.21 13L	.19 56L	.18 56L	1.6 51L	.56 10L	.9	.56 10L	.9	.56 10L	.9	.9
21 04 80 0825	0426	.19	.16	.16	.12 13L	.11 46L	.12 13L	.11 46L	.10 66L	.92 61L	.47 19L	.4	.47 19L	.4	.47 19L	.4	.4

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A05BM2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM	15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID	PHOSPHORUS TOTAL P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. P04 P	PHOSPHORUS DISSOLVED ORTHO P04 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
21	04	80	0830	0426	.30	.17	.12	.11	.033	.84	.47	.4
05	05	80	1315	0426	.14	.14	.10	.10	.090	.87	.50	1.1
05	05	80	1320	0426	.16	.14	.11	.087	.087	.81	.50	.4
12	05	80	1300	0426	.13		.088		.075	.67		
12	05	80	1700	0426	.14		.088		.065	.68		
12	05	80	2100	0426	.13		.088		.056	.81		
13	05	80	0100	0426	.15		.10		.069	.79		
13	05	80	0500	0426	.15		.10		.041	.97		
13	05	80	0515	0426	.15		.10		.085	.97		
13	05	80	0600	0426	.14		.11		.054	.97		
13	05	80	0700	0426	.14		.12		.051	.97		
13	05	80	0900	0426	.14		.099		.054	.93		
13	05	80	1300	0426	.15		.12		.070	.99		
21	05	80	0855	0426	.14		.088	.13F	.085	.72	.50	.2
21	05	80	0900	0426	.15		.084		.061	.68		.2
03	06	80	0830	0426	.22	.19	.076	.03L	.067	.64	.30	.5
16	06	80	1400	0426	.094	.033	.033	.022	.018	.31	.26	1.1
01	07	80	1230	0426		.059	.11		.058	.72	.2	
14	07	80	0830	0426	.091	.066	.066	.058	.047	.90	.68	1.1
21	07	80	1200	0426	.13		.090		.084	.90		
21	07	80	1600	0426	.14		.11		.086	.89		
21	07	80	2000	0426	.15		.12		.096	.82		
22	07	80	0000	0426	.15		.12		.10	.76		
22	07	80	0400	0426	.18		.12		.10	.81		
22	07	80	0415	0426	.16		.13		.10	.81		
22	07	80	0500	0426	.15		.13		.11	.91		
22	07	80	0600	0426	.15		.13		.10	1.1		
22	07	80	0800	0426	.15		.12		.098	.92		
22	07	80	1200	0426	.17		.14		.11	.99		
28	07	80	1245	0426	.11	.10	.082	.078	.064	.94	.80	.2
11	08	80	1145	0426	.15	.17	.12	.020	.011	.91	.84	.1
25	08	80	1230	0426	.11	.11	.10	.094	.091	1.0	1.0	1.1
08	09	80	1300	0426	.13	.11	.12	.11	.11	1.2	.95	1.1
22	09	80	1215	0426	.14	.11	.12	.12	.11	1.4	1.2	1.1
22	09	80	1220	0426	.15	.13	.12	.11	.097	1.5	1.2	.2
06	10	80	1200	0426	.16	.15	.15	.14	.13	1.0	.82	1.1
20	10	80	1000	0426	.13		.12		.10	1.0	.51F	
20	10	80	1245	0426	.14	.14	.13	.12	.11	1.1	.82	1.1
20	10	80	1400	0426	.14		.13		.12	1.2	.51F	

NAQUADAT DETAILED REPORT
 PHOSPHORUS AND NITROGEN FORMS

 STATION 00AT05BH2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
 BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM	15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
MST				ID	PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	NITROGEN	NITROGEN	NITROGEN
					TOTAL	TOTAL	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	TOTAL
					PHOSPHATE	INORGANIC		INORG. PO4	ORTHO PO4	N	N	AMMONIA
D	M	Y	HR		P	P	P	P	P	MG/L	MG/L	MG/L
20	10	80	1800	0426	.17		.16		.15	1.3		
20	10	80	2200	0426	.19		.18		.16	1.4		
21	10	80	0200	0426	.19		.17		.16	1.1		
21	10	80	0600	0426	.18		.16		.15	1.2		
21	10	80	0615	0426	.18		.17		.16	1.1		
21	10	80	0700	0426	.18		.17		.16	1.2		
21	10	80	0800	0426	.18		.17		.16	1.3		
21	10	80	1000	0426	.19		.18		.17	1.2		
03	11	80	1216	0426	.15	.15	.14	.11	.11	1.1	.90	.2
18	11	80	1120	0426	.20	.19	.19	.18	.17	1.2	.92	.2
08	12	80	0900	0426	.30	.28	.27	.27	.27		1.2	2.4
05	01	81	1100	0426	.18	.18	.18	.17	.16	1.3	.65	.6
20	01	81	0602	0426	.19		.18		.18	1.2		
20	01	81	0615	0426	.19		.19		.17	1.1		
20	01	81	0700	0426	.19		.19		.18	1.1		
20	01	81	0800	0426	.20		.19		.18	1.1		
20	01	81	1000	0426	.22		.20		.18	1.1		
20	01	81	1400	0426	.23		.20		.18	1.2		
20	01	81	1800	0426	.23		.21		.20	1.1		
20	01	81	2203	0426	.23		.20		.20	1.3		
21	01	81	0158	0426	.20		.18		.18	1.2		
21	01	81	0600	0426	.19		.18		.17	1.2		
26	01	81	1100	0426	.15	.15	.14	.13	.13	1.0	.52	.7
16	02	81	1000	0426	.18	.16	.16	.16	.14		.70	.8
09	03	81	1130	0426	.22	.22	.16	.16	.16	1.4	.70	.5
18	03	81	1000	0426	.23		.19		.15	1.4		
18	03	81	1400	0426	.20		.17		.14	1.5		
21	18	03	81	1800	0426	.21	.18		.16	1.7		
24	18	03	81	2200	0426	.24	.21		.18	1.9		
19	03	81	0200	0426	.24		.21		.18	1.7		
19	03	81	0600	0426	.23		.19		.17	1.5		
19	03	81	0615	0426	.23		.19		.17	1.5		
19	03	81	0700	0426	.24		.19		.18	1.5		
19	03	81	0800	0426	.24		.20		.20	1.6		
19	03	81	0940	0426	.25		.21		.20	1.7		
20	03	81	1125	0426	.22	.19	.20	.19	.19	1.8	.66	1.
06	04	81	1145	0426	.19	.17	.14	.14	.14		.62	.6
21	04	81	1015	0426	.26	.22	.23	.20	.20	1.9	.78	1.0
04	05	81	1030	0426	.25	.22	.22	.18	.18	1.8	1.5	.3

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A105BH2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

15406L PHOSPHORUS TOTAL PHOSPHATE				15301L PHOSPHORUS TOTAL INORGANIC				15103F PHOSPHORUS DISSOLVED				15356F PHOSPHORUS DISSOLVED INORG. PO4				15256F PHOSPHORUS DISSOLVED ORTHO PO4				07601F NITROGEN DISSOLVED N				07110F NITROGEN DISSOLVED NO3 & NO2 N				07506L NITROGEN TOTAL AMMONIA N			
SAMPLE DATE		SUBM		P		MG/L		P		MG/L		P		MG/L		P		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
D	M	Y	HR	ID																											
19	05	81	1145	0426		.19				.16		.054		.044		.034		.63		.30		.30		.30		.30		.1		.1	
19	05	81	1150	0426		.20				.15		.054		.046		.038		.67		.30		.28		.28		.28		.3		.3	
09	06	81	1225	0426		.085				.076		.085		.039		.033		.88		.37		.37		.37		.37		.1		.1	
30	06	81	1000	0426		.059				.058		.040		.032		.022		.51		.31		.31		.31		.31		.1		.1	
20	07	81	1130	0426		.062				.050		.030		.027		.019		.38													
08	08	81	1515	0426		.053				.046		.030		.023		.022		.55		.44		.44		.44		.44		.1		.1	
24	08	81	1245	0426		.079				.070		.063		.059		.047				.50		.50		.50		.50		.1		.1	
21	09	81	0800	0426		.13				.11		.12		.21		.10		1.5		1.5		1.5		1.5		1.5		.5		.5	
14	10	81	1630	0426		.24				.21		.23		.21		.21		1.9		1.2		1.2		1.2		1.2		.5		.5	
02	11	81	1030	0426		.15				.14		.14		.13		.13		1.5		1.3		1.3		1.3		1.3		.5		.5	
23	11	81	1030	0426		.11				.083		.072		.065		.058		1.5		1.0		1.0		1.0		1.0		.3		.3	
16	12	81	1130	0426		.27				.26		.26		.25		.25		1.9		.90		.90		.90		.90		.9		.9	
08	01	82	1500	0426		.31				.29		.29		.29		.28		2.2		1.0		1.0		1.0		1.0		.9		.9	
01	02	82	0930	0426		.24				.24		.23		.24		.23		2.0		1.2		1.2		1.2		1.2		.5		.5	
24	02	82	1000	0426		.28				.26		.26		.24		.24		1.7		1.1		1.1		1.1		1.1		.5		.5	
15	03	82	1100	0426		.32				.29		.24		.24		.22		1.7		1.3		1.3		1.3		1.3		.3		.3	
04	04	82	1600	0426		.25				.24		.22		.22		.22		1.8		1.2		1.2		1.2		1.2		.9		.9	
28	04	82	1020	0426		.14				.13		.10		.092		.092		.79		.49		.49		.49		.49		.9		.9	

SAMPLE DATE				SUBM	02061S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
MST				ID	DEG.C.		JTU		MG/L		MG/L		MG/L	MG/L	MG/L
D	M	Y	HR										N		
15	05	79	0905	0426		11.0		10.2	7.		2.		.11		
15	05	79	0945	0426		11.0		10.2	7.		11.		.12		
29	05	79	0615	0426		10.		32.	48.		42.		.27		
29	05	79	0645	0426		10.		35.	51.		45.		.27		
12	06	79	0700	0426		14.5		2.3	11.		11.		.06		
12	06	79	0725	0426		14.5		2.6	4.		1.		.08		
26	06	79	0615	0426		15.5		4.7	2.		11.		.09		
26	06	79	0635	0426		15.5		5.0	5.		11.		.09		
09	07	79	0715	0426		17.5		4.8	13.		10.		.21		
09	07	79	0730	0426		17.5		4.7	7.		2.				
23	07	79	0650	0426		18.5			11.		11.		.08		

STATION 00AT05BM2215 LAT. 50
BOW RIVER BELOW CARSELAND WEIR

SAMPLE DATE				SUBM ID	TEMPERATURE OF WATER	02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	H								
23	07	79	0705	0426	18.5	1.7	3.	3.	.05		
05	08	79	1025	0426	17.	1.5	11.7	9.6			
05	08	79	1040	0426	17.	1.1	11.	1.7	.08		
21	08	79	0825	0426	17.	.5	11.	1.1			
21	08	79	0830	0426	17.	.7	4.3	3.6			
24	09	79	0640	0426	12.	1.9	4.	3.	.12		
24	09	79	0645	0426	12.	2.0	1.	1.1	.09		
09	10	79	0640	0426	7.	1.9	3.	3.			
09	10	79	0645	0426	7.	2.1	5.	4.			
29	10	79	0755	0426	3.	1.0	14.	1.1	.11		
29	10	79	0800	0426	3.	2.5	11.	8.	.09 02L		
19	11	79	0725	0426	0.	.9	3.	1.1	.12 02L		
19	11	79	0730	0426	0.	.6	2.	1.1			
10	12	79	0755	0426	0.	6.0	3.	2.			
10	12	79	0800	0426	0.	1.0	5.	3.	.05 02L	.32 02L	2. 06L
07	01	80	1125	0426	1.	1.0	2.	1.1	.04 02L	.28 02L	5. 04L
07	01	80	1130	0426	1.	1.0	2.	1.1			1. 06L
26	01	80	0825	0426	0.	1.3	1.1	1.1	.10 02L	.62 02L	1. 04L
28	01	80	0830	0426	0.	1.6	1.1	1.1			1. 06L
18	02	80	0825	0426	0.	1.2	10.	7.			
18	02	80	0830	0426	0.	1.9	9.	8.	.11 02L	1.0 02L	1. 06L
10	03	80	0955	0426	0.	1.5	14.	1.1	.24 02L	1.8 02L	2. 04L
10	03	80	1000	0426	0.	2.2	13.	10.			
24	03	80	0855	0426	0.	3.6	12.	10.	.05 02L	1.3 02L	5. 06L
24	03	80	0900	0426	0.	3.2	16.	14.	.18 02L	1.2 02L	3. 04L
08	04	80	0825	0426	1. 61F	5.2	16.	13.	.19	1.0	2. 06F
08	04	80	0830	0426	1. 61F	4.0	21.	16.			
21	04	80	0825	0426		.6	22.	19.			
21	04	80	0830	0426		.3	22.	19.			
05	05	80	1315	0426	13. 61F	5.7	19.	15.			
05	05	80	1320	0426	13. 61F	5.5	18.	14.			
12	05	80	1300	0426	13.0 61F						
12	05	80	1700	0426	13.5 61F						
12	05	80	2100	0426	13.0 61F						
13	05	80	0100	0426	12.5 61F						
13	05	80	0500	0426	12.0 61F						
13	05	80	0515	0426	12.0 61F						
13	05	80	0600	0426	11.5 61F						
13	05	80	0700	0426	11.5 61F						

STATION 00AT05BM2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				020615S		020731L		104011L		105011L		07902F		06902F		06104F	
D	M	Y	HR	SUBM	TEMPERATURE OF WATER	TURBIDITY	JTU	RESIDUE NONFILTR.	MG/L	RESIDUE FIXED NONFILTR.	MG/L	NITROGEN PARTICUL.	MG/L	CARBON ORGANIC PARTICULATE	MG/L	CARBON DISSOLVED ORGANIC	MG/L
13	05	80	0900	0426	12.0 61F												
13	05	80	1300	0426	13.2 61F												
21	05	80	0855	0426	15. 61F	2.5		15.		13.		.18		.90		2. 06F	
21	05	80	0900	0426	15. 61F	2.5		13.		12.						2.	
03	06	80	0830	0426		32.0		39.0		35.0		.13 02L		1.0 02L		3. 04L	
16	06	80	1400	0426	17. 61F	19.		55.0		51.0		.15		.86		2.	
01	07	80	1230	0426	15. 61F	2.2		7.0				.10		.48		1.	
14	07	80	0830	0426		1.5		4.		4.		.14		.84		2.	
21	07	80	1200	0426	19.2 61F												
21	07	80	1600	0426	21.0 61F												
21	07	80	2000	0426	20.7 61F												
22	07	80	0000	0426	20.0 61F												
22	07	80	0400	0426	19.4 61F												
22	07	80	0415	0426	19.1 61F												
22	07	80	0500	0426	19.0 61F												
22	07	80	0600	0426	19.0 61F												
22	07	80	0800	0426	19.0 61F												
22	07	80	1200	0426	20.7 61F												
28	07	80	1245	0426	20.0 61F	4.0		9.		6.		.17		.92		1.	
11	08	80	1145	0426	16.0 61F	4.2		17.		15.		.12		.83		2.	
25	08	80	1230	0426	14. 61F	1.9											
08	09	80	1300	0426	15. 61F	1.5		2.		1.		.07		.23		1.	
22	09	80	1215	0426	12. 61F	1.4		2.		1.		.09		.50		1.	
22	09	80	1220	0426	12. 61F	1.1		4.		3.		.08		.43		1.	
06	10	80	1200	0426	16. 61F	.7		7.		4.						2.	
20	10	80	1000	0426	7.0 61F			2.		1.		.04		.23			
20	10	80	1245	0426	8. 61F	3.7											
20	10	80	1400	0426	8.0 61F			9.		6.		.04		.43		1.	
20	10	80	1800	0426	7.5 61F												
20	10	80	2200	0426	7.0 61F												
21	10	80	0200	0426	7.0 61F												
21	10	80	0600	0426	6.0 61F												
21	10	80	0615	0426	6.0 61F												
21	10	80	0700	0426	6.0 61F												
21	10	80	0800	0426	6.0 61F												
21	10	80	1000	0426	6.0 61F												
03	11	80	1216	0426	0. 61F	7.3		3.		2.		.11		.44		1.	
18	11	80	1120	0426		1.3		3.		1.		.04		.20		1.	
08	12	80	0900	0426	.0 61F	1.2		1.		11.		.03		.11		2.	

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOC

STATION 00AT05BM215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM ID	020615 TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL. N		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
05	01	81	1100	0426	0. 61F	2.1		3.		2.		.06		.32		2.	
20	01	81	0602	0426	2. 61F												
20	01	81	0615	0426	0. 61F												
20	01	81	0700	0426	0. 61F												
20	01	81	0800	0426	0. 61F												
20	01	81	1000	0426	0. 61F												
20	01	81	1400	0426	3. 61F												
20	01	81	1800	0426	2. 61F												
20	01	81	2203	0426	0. 61F												
21	01	81	0158	0426	0. 61F												
21	01	81	0600	0426	0. 61F			9.		8.		.87		.51		2.	
26	01	81	1100	0426		2.5		4.		2.		.05		.32		2.	
16	02	81	1000	0426		4.3		19.		16.		.23		1.4		1.	
09	03	81	1130	0426													
18	03	81	1000	0426	1.0 61F												
18	03	81	1400	0426	2.0 61F												
18	03	81	1800	0426	3.0 61F												
18	03	81	2200	0426	3.0 61F												
19	03	81	0200	0426	2.0 61F												
19	03	81	0600	0426	2.0 61F												
19	03	81	0615	0426	2.0 61F												
19	03	81	0700	0426	1.0 61F												
19	03	81	0800	0426	1.0 61F												
19	03	81	0940	0426	1.0 61F												
20	03	81	1125	0426		2.4		5.		3.		.11		.71		2.	
06	04	81	1145	0426	5.0 61F												
21	04	81	1015	0426	8.0 61F	2.9		7.		6.		.14		.54		2.	
04	05	81	1030	0426	9.0 61F	5.2		5.		3.		.18		.79		2.	
19	05	81	1145	0426	11.0 61F	74.		10.		8.		.14		.84		3.	
19	05	81	1150	0426	11.0 61F	78.		184.		167.		.39		2.9		6.	
09	06	81	1225	0426	12.0 61F	18.		183.		166.		.33		2.2		6.	
30	06	81	1000	0426	13.0 61F	4.4		27.		21.		.10		.80		3.	
20	07	81	1130	0426	14. 61F	18.		8.		7.		.07		.50		3.	
08	08	81	1515	0426	17. 61F	4.3		28.		5.		.12		.87		2.	
24	08	81	1245	0426	17. 61F	2.0		7.		3.		.07		.40		1.	
21	09	81	0800	0426	12. 61F	2.2		6.						.42		1.	
14	10	81	1630	0426	8. 61F	1.2		5.		4.		.09		.46		2.	
02	11	81	1030	0426	9. 61F	1.1		1.		1.		.08		.39		2.	
23	11	81	1030	0426		1.5		1.		1.		.08		.52		2.	
												.10		.43		2.	

PARTICULATES TEMP DOC

STATION 00AT05BH2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM		02061S		02073L		10401L		10501L		07902F		06902F		06104F	
MST				ID		TEMPERATURE		TURBIDITY		RESIDUE		RESIDUE		NITROGEN		CARBON		CARBON	
D M Y HR						OF				NONFILTR.		FIXED		PARTICUL.		ORGANIC		ORGANIC	
						WATER						NONFILTR.		N		C		C	
						DEG.C.		JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
16	12	81	1130	0426		.0	61F	1.6		3.0		1.0		.05		.26		2.	
08	01	82	1500	0426		.0	61F	1.9		1.		1.1		L.01		.18		2.	
01	02	82	0930	0426		.0	61F	1.4		3.		1.		.07		.18		2.	
24	02	82	1000	0426		.0	61F	1.4		3.		2.		.09				2.	
15	03	82	1100	0426		7.0	61F	4.8		9.		6.		.23		1.4		3.	
04	04	82	1600	0426		.0	61F	1.7		6.		4.		.10		.62		3.	
28	04	82	1020	0426		5.0	61F	3.8		5.		4.		.13		.82		2.	
SAMPLE DATE				SUBM		10301L		06152F		10106L		10151L		02041L		17206L		14105L	
MST				ID		PH		CARBON		ALKALINITY		ALKALINITY		SPECIFIC		CHLORIDE		SILICA	
D M Y HR						PH UNITS		DISSOLVED		TOTAL		PHENOL		CONDUCT.		DISSOLVED		REACTIVE	
								INORGANIC		CAC03		CAC03		US/CM		CL		MG/L	
								C		MG/L		MG/L							
15	05	79	0905	0426						128.				363.					
15	05	79	0945	0426						132.				364.					
29	05	79	0615	0426		7.8				113.		.0		319.					
29	05	79	0645	0426		7.8				113.		.0		317.					
12	06	79	0700	0426		8.0				109.		.0		303.					
12	06	79	0725	0426		8.0				108.		.0		303.					
26	06	79	0615	0426		7.9				110.		.0		294.					
26	06	79	0635	0426		7.8				110.		.0		311.					
09	07	79	0715	0426		8.3				101.		.0		284.					
09	07	79	0730	0426		8.3				103.		.0		292.					
23	07	79	0650	0426						96.		.0		282.					
23	07	79	0705	0426		8.3				97.		.0		280.					
05	08	79	1025	0426		8.7				97.		13.		289.					
05	08	79	1040	0426		8.7				100.		14.		278.					
21	08	79	0825	0426		8.4				103.				311.					
21	08	79	0830	0426		8.4				105.				313.					
24	09	79	0640	0426		7.9				87.		.0		277.					
24	09	79	0645	0426		8.1				116.		.0		343.					
09	10	79	0640	0426		8.0				129.		.0		364.					
09	10	79	0645	0426		8.0				131.		.0		359.					
29	10	79	0755	0426		8.0				129.		.0		405.					

STATION 00AT05BM215 LAT. 500 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
 BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT. US/CM	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR								
29	10	79	0900	0426	7.9		130.	.0	403.		
19	11	79	0725	0426	7.9		132.	.0	413.		
19	11	79	0730	0426	7.9		130.	.0	415.		
10	12	79	0755	0426	7.9		112.	.0	438.		
10	12	79	0900	0426	7.9		112.	.0	440.		
07	01	80	1125	0426	7.6	39. 53L	158.	.0	491.		4.9
07	01	80	1130	0426	7.5	39. 52L	159.	.0	491.		4.9
28	01	80	0825	0426	7.6	35. 53L	147.	.0	464.		4.5
28	01	80	0830	0426	7.6	35. 52L	144.	.0	482.		4.6
18	02	80	0825	0426	7.6	28. 53L	111.	.0	455.		4.4
18	02	80	0830	0426	7.7	29. 52L	111.	.0	429.		4.3
10	03	80	0955	0426	7.7	26. 53L	133.	.0	442.		4.2
10	03	80	1000	0426	7.7	26. 52L	128.	.0	431.		4.3
24	03	80	0855	0426	7.8	23. 53L	120.	.0	430.		3.7
24	03	80	0900	0426	7.7	23. 52L	110.	.0	436.		3.8
08	04	80	0825	0426	7.6	21. 53L	130. 01L	.0	377.	5.6	4.0
08	04	80	0830	0426	7.7	22. 52L	130. 01L	.0	382.	5.5	3.9
21	04	80	0825	0426	7.6	26. 53L	120. 01L	0.	355.	3.8	3.5
21	04	80	0830	0426	7.6	28. 52L	130. 01L	0.	360.	3.9	3.3
05	05	80	1315	0426	8.1	24. 53F	130. 01L	0.	316.	3.6	2.4
05	05	80	1320	0426	8.2	24.	120. 01L	0.	323.	3.6	2.6
21	05	80	0955	0426	7.7	23. 53F	111. 01L	0.	316.	3.1	1.8
21	05	80	0900	0426	7.9	24.	112. 01L	0.	315.	2.0	2.0
03	06	80	0830	0426	8.0	23. 52L	116. 01L	.0	316.	2.9	3.6
16	06	80	1400	0426	8.1	23.	114. 01L	.0	303.	1.4	4.2
01	07	80	1230	0426	8.1	23.	119. 01L	.0	324.	2.8	3.3
14	07	80	0830	0426	8.3	26.	120. 01L	.0	339.	3.5	.6
28	07	80	1245	0426	8.1	24.	113. 01L	.0	326.	3.3	2.8
11	08	80	1145	0426	8.0	25.	119. 01L	.0	333.	2.9	3.5
25	08	80	1230	0426	8.5	25.	120. 01L	.0	347.	3.8	3.6
08	09	80	1300	0426	8.7	23.	118. 01L	.0	342.	4.1	2.5
22	09	80	1215	0426	8.5	29.	126. 01L	.1	364.	3.7	2.6
22	09	80	1220	0426	8.4	29.	127. 01L	.0	365.	3.8	2.5
06	10	80	1200	0426	8.4	28.	127. 01L	.0	369.	4.2	1.0
20	10	80	1000	0426	8.0				367.		
20	10	80	1245	0426	8.0	29.	125. 01L	.0	371.	3.9	2.0
20	10	80	1400	0426	8.1				374.		
20	10	80	1800	0426	8.3				370.		
20	10	80	2200	0426	8.4				366.		

STATION 00AT05BM2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM ID	PH UNITS	10301L		06152F		10106L		10151L		02041L		17206L		14105L	
D	M	Y	HR			PH	PH	CARBON DISSOLVED INORGANIC C	MG/L	ALKALINITY TOTAL CACO3	MG/L	ALKALINITY PHENOL PTHALEIN CACO3	MG/L	SPECIFIC CONDUCT.	US/CM	CHLORIDE DISSOLVED CL	MG/L	SILICA REACTIVE SIO2	MG/L
21	10	80	0200	0426	8.3									369.					
21	10	80	0600	0426	8.2									369.					
21	10	80	0615	0426	8.2									370.					
21	10	80	0700	0426	8.1									372.					
21	10	80	0800	0426	8.2									374.					
21	10	80	1000	0426	8.1									377.					
03	11	80	1216	0426	8.1			34.		130. 01L		.0		386.		4.4		2.7	
18	11	80	1120	0426	8.0			32.		137. 01L		.0		401.		5.2		2.9	
08	12	80	0900	0426	7.8			36.		162. 01L		.0		481.		7.8		4.6	
05	01	81	1100	0426	7.8			27.		140. 01L		.0		413.		4.8		4.1	
20	01	81	0602	0426	8.0									394.					
20	01	81	0615	0426	8.0									391.					
20	01	81	0700	0426	7.8									392.					
20	01	81	0800	0426	7.8									395.					
20	01	81	1000	0426	7.7									399.					
20	01	81	1400	0426	7.7									407.					
20	01	81	1800	0426	8.0									408.					
20	01	81	2203	0426	7.9									409.					
21	01	81	0158	0426	7.9									402.					
21	01	81	0600	0426	7.9									394.					
26	01	81	1100	0426	8.0			35.		128. 01L		.0		384.		4.9		3.7	
16	02	81	1000	0426	7.8			33.		129. 01L		.0		403.		7.9		3.3	
09	03	81	1130	0426	8.0			38.		124. 01L		.0		389.		5.5		2.9	
18	03	81	1000	0426	8.3									401.					
18	03	81	1400	0426	8.3									408.					
18	03	81	1800	0426	8.5									403.					
18	03	81	2200	0426	8.7									400.					
19	03	81	0200	0426	8.7									390.					
19	03	81	0600	0426	8.6									390.					
19	03	81	0615	0426	8.6									387.					
19	03	81	0700	0426	8.5									394.					
19	03	81	0800	0426	8.5									395.					
19	03	81	0940	0426	8.3									401.					
20	03	81	1125	0426	8.1			41.		135. 01L		.0		404.		6.1		2.3	
06	04	81	1145	0426	8.1			32.		129. 01L		.0		392.		4.8		2.6	
21	04	81	1015	0426	7.9			31.		131. 01L		.0		413.		5.3		2.9	
04	05	81	1030	0426	7.8			34.		136. 01L		.0		400.		5.2		2.5	
19	05	81	1145	0426	8.0			32.		134. 01L		.0		370.		2.7		5.7	
19	05	81	1150	0426	8.0			32.		133. 01L		.0		376.		2.7		5.6	

PH DIC ALK COND CL SIO2

STATION 00AT05BM2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
 BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM		PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR	ID				MS/L		MS/L		MS/L		US/CM		CL		MG/L	
09	06	81	1225	0426		8.1		29.		121. 01L		.0		307.		2.2		4.9	
30	06	81	1000	0426		8.3		30.		129. 01L		.0		334.		2.7		3.5	
20	07	81	1130	0426		8.1		29.		114. 01L		.0		295.		1.8		3.3	
08	08	81	1515	0426		8.2		30.		123. 01L		.0		320.		2.1		4.0	
24	08	81	1245	0426		8.3		29.		122. 01L		.0		316.		2.1		3.5	
21	09	81	0800	0426		8.0		29.		124. 01L		.0		349.		4.8		2.2	
14	10	81	1630	0426		8.5		28.		135. 01L		1.5		374.		6.3		1.8	
02	11	81	1030	0426		7.8		32.		136. 01L		.0		388.		5.2		.4	
23	11	81	1030	0426		7.8		25.		141. 01L		.0		386.		7.7		2.0	
16	12	81	1130	0426		7.8		38.		155. 01L		.0		421.		7.0		3.5	
08	01	82	1500	0426		7.6		37.		164. 01L		.0		446.		7.6		4.6	
01	02	82	0930	0426		7.6		33.		150. 01L		.0		400.		6.4		4.4	
24	02	82	1000	0426		7.7		38.		140. 01L		.0		395.		8.2		4.3	
15	03	82	1100	0426		7.7		31.		140. 01L		.0		395.		12.		4.0	
04	04	82	1600	0426		7.7		35.		145. 01L		.0		406.		9.4		3.8	
28	04	82	1020	0426		8.0		24.		130. 01L		.0		341.		6.6		2.2	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05BH2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELOW BASSANO DAM

SAMPLE DATE			SUBM ID	15406L PHOSPHORUS TOTAL PHOSPHATE P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	05	79	1230	0426	.098	.088	.081	.070	.13F	.068	.46F	.040	.66F	.73	.43	.19F	.1	.1	.1
15	05	79	1300	0426	.10	.086	.078	.064	.13F	.057	.46F	.039	.66F	.72	.51F	.42	.1	.1	.1
29	05	79	0910	0426	.14	.14	.051	.13F	.035	.46F	.039	.66F	.039	.47	.51F	.31	.19F	.1	.1
29	05	79	0945	0426	.16	.14	.048	.048		.042		.04	.66F	.47	.51F	.32	.1	.1	.1
04	06	79	0815	0426	.13	.083						.064	.66F	.79		.50	.19F	.2	.2
04	06	79	0845	0426	.124	.099	.081	.13F	.063	.46F	.064	.031	.66F	.79	.51F	.50	.2	.2	.2
12	06	79	0940	0426	.063	.049	.046	.13F	.033	.46F	.033	.66F	.031	.37	.24	.19F	.1	.1	.1
12	06	79	1015	0426	.065	.048	.046	.13F	.035	.46F	.035	.66F	.035	.36	.51F	.23	.1	.1	.1
26	06	79	0930	0426	.075	.071	.050	.13F	.047	.46F	.047	.66F	.045	.35	.18	.19F	.1	.1	.1
26	06	79	0950	0426	.072	.069	.050		.049		.040	.040	.040	.33	.51F	.18	.1	.1	.1
04	07	79	0800	0426	.072	.057	.049	.13F	.040	.46F	.040	.66F	.034	.44	.22	.19F	.1	.1	.1
04	07	79	0820	0426	.069	.061	.050	.13F	.035	.46F	.035	.66F	.065	.54	.51F	.23	.1	.1	.1
10	07	79	0730	0426		.047	.074	.13F	.07	.46F	.067	.66F	.065	.65	.42	.19F	.1	.1	.1
10	07	79	0750	0426			.067		.13	.46F	.067	.66F	.061	.87	.51F	.45	.1	.1	.1
24	07	79	0830	0426	.16	.15	.15	.13F	.13	.46F	.13	.66F	.12	.50	.32	.19F	.2	.2	.2
24	07	79	0845	0426	.16	.13	.15	.13F	.13		.13	.66F	.12	.35			.6	.6	.6
30	07	79	1030	0426	.039	.071	.083	.13F	.063	.46F	.063	.66F	.065	.44	.29	.19F	.2	.2	.2
30	07	79	1045	0426	.094	.070	.08		.071		.068	.66F	.068	.47	.51F	.11	.1	.1	.1
06	08	79	0755	0426	.11	.075	.085	.13F	.054	.46F	.054	.66F	.044	.61	.44	.19F	.1	.1	.1
06	08	79	0810	0426	.10	.075	.082		.068		.068	.66F	.059	.52	.51F	.41	.1	.1	.1
21	08	79	1025	0426	.12	.082	.083	.13F	.065	.46F	.065	.66F	.061	.36	.07	.19F	.1	.1	.1
21	08	79	1040	0426	.12	.081	.092		.065		.062	.66F	.062	.38	.51F	.08	.1	.1	.1
24	09	79	1015	0426	.13	.11	.12	.13F	.11	.46F	.11	.66F	.10	.88	.73	.19F	.1	.1	.1
24	09	79	1020	0426	.13	.12	.11		.13	.46F	.13	.66F	.10	.90	.51F	.63	.1	.1	.1
09	10	79	1015	0426	.15	.13	.14	.13F	.13	.46F	.13	.66F	.12	1.4	.1	.19F	.1	.1	.1
09	10	79	1020	0426	.15	.14	.14		.13		.13	.66F	.12	1.4	.51F	1.3	.1	.1	.1
29	10	79	1055	0426	.17	.15	.15	.13F	.13	.46F	.13	.66F	.12	1.3	.19F	1.3	.1	.1	.1
29	10	79	1100	0426	.17	.16	.14		.13		.13	.66F	.12	1.7	.51F	1.3	.1	.1	.1
19	11	79	1025	0426	.18	.16	.17	.13L	.15	.46L	.15	.66L	.15	1.8	.61L	1.5	.19L	.1	.1
19	11	79	1030	0426		.16	.16	.03L	.15	.56L	.14	.56L	.14	1.8	.51L	1.5	.10L	.1	.1
10	12	79	1155	0426	.27	.25	.25	.13L	.24	.46L	.24	.66L	.24	2.7	.61L	1.6	.19L	1.0	.1
10	12	79	1200	0426	.26	.25	.25	.03L	.24	.56L	.24	.56L	.24	2.6	.51L	1.6	.10L	.8	.8
08	01	80	0925	0426	.23	.23	.22	.13L	.21	.46L	.21	.66L	.21	2.0	.61L	1.3	.19L	.8	.8
08	01	80	0930	0426	.23	.22	.21	.03L	.21	.56L	.19	.56L	.19	2.1	.51L	1.4	.10L	.8	.8
29	01	80	0825	0426	.22	.22	.20	.13L	.20	.46L	.20	.66L	.20	2.0	.61L	1.0	.19L	.9	.9
29	01	80	0830	0426	.23	.21	.19	.03L	.19	.56L	.19	.56L	.19	1.9	.51L	1.3	.10L	.9	.9
19	02	80	0835	0426	.22	.22	.21	.13L	.20	.56L	.19	.66L	.20	1.7	.61L	1.2	.19L	.9	.9
19	02	80	0840	0426	.22	.21	.21	.03L	.20	.56L	.20	.56L	.20	1.8	.51L	1.2	.10L	.9	.9
11	03	80	0825	0426	.24	.23	.21	.13L	.20	.46L	.20	.66L	.20	1.8	.61L	1.0	.19L	.7	.7

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05BH2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELCH BASSANO DAM

SAMPLE DATE MST D M Y HR	SUBH ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. PO4		15256F PHOSPHORUS DISSOLVED ORTHO PO4		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2		07506L NITROGEN TOTAL AMMONIA N	
		MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N
11 03 80 0830	0426	.24	.23	.23	.21	.03L	.20	.56L	.20	.56L	.20	.56L	1.8	.51L	1.2	.10L	.7
25 03 80 1410	0426	.30	.27	.27	.24	.13L	.22	.46L	.21	.66L	.21	.66L	2.1	.61L	2.1	.94	.19L
25 03 80 1415	0426	.33	.30	.30	.23	.03L	.23	.56L	.20	.56L	.20	.56L	2.1	.51L	2.1	.96	.10L
09 04 80 0825	0426	.23	.18	.18	.14	.13L	.13	.46L	.11	.66L	.11	.66L	1.3	.61L	1.3	.58	.19L
09 04 80 0830	0426	.27	.24	.24	.13	.03L	.11	.56L	.10	.56L	.10	.56L	1.6	.51L	1.6	.62	.10L
22 04 80 0855	0426	.26	.23	.23	.13	.13F	.11	.46F	.10	.66F	.10	.66F	1.0	.54	.19F	.54	.19F
22 04 80 0900	0426	.25	.21	.21	.12		.088		.088		.088		.91	.51F	.60	.41	.19F
05 05 80 1705	0426	.12	.10	.10	.094	.13F	.089	.46F	.089	.66F	.089	.66F	.58	.51F	.41	.19F	.11
05 05 80 1710	0426	.13	.11	.11	.088		.071		.071		.071		.56	.51F	.40	.11	.11
21 05 80 1225	0426	.098	.098		.076	.13F	.059	.46F	.055	.66F	.055	.66F	.25		.10	.19F	.11
21 05 80 1230	0426	.11	.084	.084	.073		.064		.052		.052		.26	.51F	.07		.1
03 06 80 1130	0426	.098	.086	.086	.044	.03L	.038	.56L	.037	.56L	.037	.56L	.62	.61L	.37	.10L	.2
17 06 80 0910	0426	.13	.086		.029		.017		.017		.017		.41		.33		.11
02 07 80 0900	0426	.059	.011	.011	.011		.003		L.003		L.003		.57		.46		.11
14 07 80 1400	0426	.067	.049	.049	.046	.03L	.037	.56L	.034	.56L	.034	.56L	.65	.61L	.43	.10L	.11
15 07 80 0900	0426	.063	.049		.042		.034		.029		.029		.66		.47		.11
29 07 80 1100	0426	.13	.12	.12	.11		.095		.078		.078		.58		.45		.1
12 08 80 0915	0426	.13	.15	.15	.11		.11		.095		.095		.65		.54		.11
26 08 80 1115	0426	.080	.067	.067	.057		.056		.047		.047		.76		.68		.1
07 09 80 1305	0426	.094	.087	.087	.074	.03L	.068	.56L	.066	.56L	.066	.56L	.48	.61L	.31	.10L	.11
09 09 80 1000	0426	.088	.076		.072		.060		.052		.052		.40		.25		.11
23 09 80 1000	0426	.12	.11	.11	.097		.088		.085		.085		.99		.84		.11
07 10 80 1000	0426	.11	.10	.10	.097		.067						.61		.45		.11
21 10 80 1100	0426	.18	.17	.17	.10		.084		.084		.084		1.1		.96		.11
04 11 80 1048	0426	.16	.15	.15	.12		.097		.097		.097		1.0		.88		.11
18 11 80 1310	0426	.21	.17	.17	.12		.12		.11		.11		1.1		.88		.2
09 12 80 0900	0426	.30	.29	.29	.27		.27		.27		.27		1.1		1.1		2.4
06 01 81 0900	0426	.18	.18	.18	.15		.15		.15		.15		1.3		.70		.6
27 01 81 1000	0426	.18	.16	.16	.14		.12		.12		.12		1.1		.63		.5
17 02 81 0900	0426	.18	.17	.17	.16		.14		.12		.12				.85		.8
10 03 81 0800	0426	.19	.19	.19	.15		.15		.15		.15		1.4		1.0		.4
10 03 81 0830	0426	.17	.17	.17	.15		.15		.15		.15		1.4		.95		.3
21 03 81 1213	0426	.45	.18	.18	.16		.15		.15		.15		1.4		.78		.6
07 04 81 1100	0426	.19	.18	.18	.12		.12		.11		.11		1.1		.72		.3
22 04 81 0800	0426	.22	.22	.22	.16		.14		.14		.14		1.1		.80		.2
05 05 81 0800	0426	.28	.26	.26	.23		.19		.17		.17		1.9		1.6		.11
20 05 81 0900	0426	.11	.095	.095	.044		.034		.031		.031		.64		.39		.1
07 06 81 1300	0426	.12	.11	.11	.034		.028		.021		.021		.44		.26		.1
01 07 81 0820	0426	.034	.025	.025	.014		.009		.006		.006		.27		.18		.11

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05BM2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELOW BASSANO DAM

SAMPLE DATE				SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
MST				ID		PHOSPHOROUS TOTAL PHOSPHATE	PHOSPHOROUS TOTAL INORGANIC	PHOSPHOROUS DISSOLVED	PHOSPHOROUS DISSOLVED INORG. PO4	PHOSPHOROUS DISSOLVED ORTHO PO4	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
D	M	Y	HR			P	P	P	P	P	MG/L	MG/L	MG/L
06	07	81	1255	0426	0426	.024	.016	.005	.004	.003	.22	.13	1.1
21	07	81	0930	0426	0426	.056	.054	.025	.023	.017	.40	.32	1.1
08	08	81	1320	0426	0426	.063	.052	.030	.023	.020	.63	.52	1.1
25	08	81	0900	0426	0426	.062	.061	.046	.043	.039	.37	.30	1.1
31	08	81	1230	0426	0426	.089	.079	.069	.065	.058	.64	.56	1.1
22	09	81	0930	0426	0426	.088	.049	.057	.043	.043	.94	.74	1.1
14	10	81	0930	0426	0426	.14	.13	.12	.12	.11	1.4	1.2	1.1
03	11	81	0950	0426	0426	.47	.46	.046	.042	.037		1.2	.7
24	11	81	1000	0426	0426	.16	.15	.14	.13	.13	1.3	1.2	.4
16	12	81	1040	0426	0426	.22	.21	.20	.20	.20	1.9	1.2	.9
08	01	82	1730	0426	0426	.30	.30	.29	.27	.27	2.3	1.3	1.0
08	01	82	1735	0426	0426	.30	.30	.29	.29	.28	2.5	1.6	
02	02	82	1000	0426	0426	.22	.22	.20	.20	.20	2.1	1.3	
22	02	82	0930	0426	0426	.25	.23	.23	.21	.21	2.2	1.5	.7
16	03	82	1000	0426	0426	.34	.27	.27	.26	.23	1.8	1.5	
04	04	82	1415	0426	0426	.26	.25	.23	.23	.23	1.9	1.5	.6
26	04	82	0720	0426	0426	.38	.34	.085	.076	.058	.81	.52	.4

SAMPLE DATE				SUBM		02061S	02073L	10401L	10501L	07902F	06902F	06104F
MST				ID		TEMPERATURE OF WATER	TURBIDITY	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL.	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C
D	M	Y	HR			DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	MG/L
15	05	79	1230	0426	0426	15.	9.4	3.	11.			
15	05	79	1300	0426	0426	15.	8.5	3.	11.	.10		
29	05	79	0910	0426	0426	13.	51.	78.	70.	.34		
29	05	79	0945	0426	0426	13.	53.	82.	73.	.34		
04	06	79	0815	0426	0426	16.5	6.8	4.	2.	.06		
04	06	79	0845	0426	0426	16.5	6.6	12.	8.	.08		
12	06	79	0940	0426	0426	17.5	3.7	2.	11.	.04		
12	06	79	1015	0426	0426	17.5	4.3	2.	1.	.17		
26	06	79	0930	0426	0426	18.5	7.5	3.	11.	.08		
26	06	79	0950	0426	0426	18.5	6.0	3.	11.	.06		
04	07	79	0800	0426	0426	17.5		3.	1.	.14		

NAQUADAT DETAILED REPORT PARTICULATES TEMP DOC

PAGE 83

STATION 00A10EBH2C240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BON RIVER BELOW BASSANO DAM

SAMPLE DATE			SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY	JTU	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	DEG.C.				MG/L		MG/L		MG/L		MG/L		MG/L	
04	07	79	0820	0426	17.5			3.		1.		.23					
10	07	79	0730	0426	20.5	2.8		3.		1.							
10	07	79	0730	0426	20.5	2.7		11.		11.		.07					
24	07	79	0830	0426	19.5			11.		11.							
24	07	79	0845	0426	19.5			1.		11.							
30	07	79	1030	0426	20.5	.7		2.2		1.2		.04					
30	07	79	1045	0426	20.5	.6		13.1		10.3		.16					
06	08	79	0755	0426	17.5	1.2		8.4		6.7							
06	08	79	0810	0426	17.5	1.3		11.		11.		.08					
21	08	79	1025	0426	20.5	.8		11.		11.							
21	08	79	1040	0426	20.5	.6		4.8		2.8		.09					
24	09	79	1015	0426	14.	2.0		4.		2.							
24	09	79	1020	0426	14.	2.7		4.		3.		.08					
09	10	79	1015	0426	10.	2.8		7.		6.							
09	10	79	1020	0426	10.	2.9		4.		3.							
29	10	79	1055	0426	6.	6.5		20.		17.		.12					
29	10	79	1100	0426	6.	4.5		4.		2.							
19	11	79	1025	0426	0.	3.5		10.		7.		.08 02L					
19	11	79	1030	0426	0.	1.5		6.		4.		.06 02L					
10	12	79	1155	0426	0.	2.6		2.		1.		.06 02L					
10	12	79	1200	0426	0.	3.7		3.		2.		.05 02L		.27 02L		3. 06L	
08	01	80	0925	0426	1.	5.3		3.		2.						5. 04L	
08	01	80	0930	0426	1.	1.8		2.		11.		.06 02L		.35 02L		1. 06L	
29	01	80	0825	0426	0.	4.1		6.		4.						1. 04L	
29	01	80	0830	0426	0.	4.4		4.		11.						1. 04L	
19	02	80	0835	0426	0.	2.4		10.		9.		.07 02L		.61 02L		1. 06L	
19	02	80	0840	0426	0.	3.3		11.		9.						1.	
11	03	80	0825	0426	0.	5.5		12.		10.		.10 02L		.78 02L		1. 06L	
11	03	80	0830	0426	0.	5.3		13.		11.		.22 02L		1.4 02L		1. 04L	
25	03	80	1410	0426	1.	16.		28.		26.						4. 06L	
25	03	80	1415	0426	1.	17.		20.		16.						3. 04L	
09	04	80	0825	0426	1.	38.		39.		35.		.03 02L		3.6 02L		7. 06L	
09	04	80	0830	0426	1.	61F		46.		40.		.43		3.3		7. 04L	
22	04	80	0855	0426	7.	61F	.9	80.		69.						3. 06F	
22	04	80	0900	0426	7.	61F	1.2	70.		63.						3.	
05	05	80	1705	0426	15.	61F	4.4	7.		5.		.12		.47		2. 06F	
05	05	80	1710	0426	15.	61F	4.4	5.		3.		.14		.63		2. 06F	
21	05	80	1225	0426	19.	61F	1.7	2.		2.						2.	
21	05	80	1230	0426	19.	61F	2.0	4.		4.						2.	

STATION 00A05BM2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELOW BASSANO DAM

SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE	06104F CARBON DISSOLVED ORGANIC
D	M	Y	HR	SUBM ID	DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	MG/L
03	06	80	1130	0426	12. 61F	17.0	37.0	34.0	.09 02L	.48 02L	3. 04L
17	06	80	0910	0426	18. 61F	26.	62.	56.	.18	1.8	2.
02	07	80	0900	0426	15. 61F	3.1	7.0	6.0	.07	.35	2.
14	07	80	1400	0426	19.0 61F		6.	5.	.14 02L	.67 02L	2. 04L
15	07	80	0900	0426		3.2	4.	3.	.09	.52	2.
29	07	80	1100	0426	22.0 61F	5.2	9.	7.	.13	.56	1.
12	08	80	0915	0426	17.0 61F	3.6	11.	11.	.17	.42	2.
26	08	80	1115	0426	16. 61F	3.5	4.	2.	.08	.33	2.
07	09	80	1305	0426	16.7 61F		9.	6.	.10 02L	.45 02L	2. 04L
09	09	80	1000	0426	17. 61F	3.8	7.	5.	.07	.42	2.
23	09	80	1000	0426	12. 61F	3.7	4.	3.	.10	.92	2.
07	10	80	1000	0426	15. 61F	3.5	3.	2.	.05	.41	
21	10	80	1100	0426	8.5 61F	24.	64.	58.	.19	1.6	2.
04	11	80	1048	0426	0. 61F	7.3	26.	22.	.16	1.3	1.
18	11	80	1310	0426		17.	52.	45.	.16	1.2	1.
09	12	80	0900	0426	.0 61F	2.7	3.	3.	.07	.38	2.
06	01	81	0900	0426	0. 61F	2.9	8.	6.	.05	.39	2.
27	01	81	1000	0426		6.4	37.	32.	.11	.77	2.
17	02	81	0900	0426		5.2	14.	11.	.07	.74	2.
10	03	81	0800	0426		4.7	13.	11.	.09	.69	2.
10	03	81	0830	0426		4.3	13.	11.	.09	.80	2.
21	03	81	1213	0426		16.0	59.	56.	.17	1.6	2.
07	04	81	1100	0426	5.0 61F	16.0	33.	29.	.21	1.4	2.
22	04	81	0800	0426	9.0 61F	8.0	26.	23.	.17	.88	2.
05	05	81	0800	0426	9.0 61F	17.0	33.	28.	.20	1.4	3.
20	05	81	0900	0426	13.0 61F		51.	45.	.22	1.4	6.
07	06	81	1300	0426	13.0 61F	40.	70.	63.	.18	1.9	3.
01	07	81	0820	0426	15.0 61F	4.3	4.	2.	.07	.34	3.
06	07	81	1255	0426	19.5 61F		6.	4.	.06	.27	2.
21	07	81	0930	0426	17. 61F	25.	40.		.12	.92	2.
08	08	81	1320	0426	20. 61F	6.0	11.	9.	.06	.33	2.
25	08	81	0900	0426	18. 61F	3.6	8.	5.	.08	.42	2.
31	08	81	1230	0426	16.8 61F		4.	3.	.05	.27	1.
22	09	81	0930	0426	13. 61F	6.5	10.	7.	.11	.64	2.
14	10	81	0930	0426	6. 61F	6.4	7.	6.	.10	.60	2.
03	11	81	0950	0426	6. 61F	89.	337.	313.	.74	8.9	4.
24	11	81	1000	0426	.0 61F	5.3	11.	9.	.09	.71	2.
16	12	81	1040	0426	.0 61F	2.3	2.0	11.			
08	01	82	1730	0426	.0 61F	2.2	3.	2.	.04	.25	3.

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOCSTATION 00AT05BM2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELOW BASSANO DAM

SAMPLE DATE				SUBM		TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	ID		DEG.C.		JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
08	01	82	1735	0426		.0 61F		1.8		4.		3.		.02		.22		2.	
02	02	82	1000	0426		.0 61F		2.3		3.		2.		.05		.36		2.	
22	02	82	0930	0426		.0 61F		2.5		5.		4.		.07				2.	
16	03	82	1000	0426		5.0 61F		8.5		7.		5.		.08		.61		3.	
04	04	82	1415	0426		.0 61F		5.0		10.		9.		.07		.44		4.	
26	04	82	0720	0426		.0 61F		36.		148.		134.		.82		7.3		3.	
SAMPLE DATE				SUBM		10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE SI02	
D	M	Y	HR	ID		PH UNITS		MG/L		MG/L		MG/L		US/CM		MG/L		MG/L	
15	05	79	1230	0426				135.		135.				391.					
15	05	79	1300	0426				135.		135.				411.					
29	05	79	0910	0426		7.9		110.		110.		.0		314.					
29	05	79	0945	0426		7.9		111.		111.		.0		311.					
04	06	79	0815	0426		8.0		121.		121.		.0		353.					
04	06	79	0845	0426		8.0		118.		118.		.0		355.					
12	06	79	0940	0426		8.4		103.		103.				299.					
12	06	79	1015	0426		8.4		104.		104.				299.					
26	06	79	0930	0426		8.6		107.		107.		15.0		299.					
26	06	79	0950	0426		8.6		107.		107.		13.		294.					
04	07	79	0800	0426		8.8		96.		96.		41.		280.					
04	07	79	0820	0426		8.8		97.		97.		34.		278.					
10	07	79	0730	0426		8.5		102.		102.		.0		296.					
10	07	79	0750	0426		8.5		103.		103.				296.					
24	07	79	0830	0426		8.9		90.		90.		3.		282.					
24	07	79	0845	0426		8.9		88.		88.		.0		282.					
30	07	79	1030	0426		9.1		93.		93.		19.		259.					
30	07	79	1045	0426		9.1		88.		88.		63.		275.					
06	08	79	0755	0426		8.9		90.		90.		30.		265.					
06	08	79	0810	0426		8.9		93.		93.		42.		249.					
21	08	79	1025	0426		9.2		98.		98.				289.					
21	08	79	1040	0426		9.1		98.		98.				289.					

PH DIC ALK COND CL SIO2

STATION 00AT05BM2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOW RIVER BELOW BASSAND DAM

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR								
24	09	79	1015	0426	8.8		86.	5.1	341.		
24	09	79	1020	0426	8.9		86.	4.8	345.		
09	10	79	1015	0426	8.6		129.	2.0	366.		
09	10	79	1020	0426	8.6		129.	.6	366.		
29	10	79	1055	0426	8.3		130.	.0	406.		
29	10	79	1100	0426	8.3		132.	.0	406.		
19	11	79	1025	0426	8.2		134.	.0	414.		
19	11	79	1030	0426	8.2		134.	.0	417.		
10	12	79	1155	0426	8.0		122.	.0	473.		
10	12	79	1200	0426	8.1		120.	.0	470.		
08	01	80	0925	0426	7.7	39. 53L	160.	.0	491.		4.8
08	01	80	0930	0426	7.7	40. 52L	160.	.0	503.		4.9
29	01	80	0825	0426	7.7	36. 53L	148.	.0	504.		4.9
29	01	80	0830	0426	7.7	36. 52L	149.	.0	502.		4.7
19	02	80	0835	0426	7.9	29. 53L	113.	.0	472.		4.7
19	02	80	0840	0426	7.8	29. 52L	113.	.0	469.		4.7
11	03	80	0825	0426	7.6	26. 53L	140.	.0	447.		4.4
11	03	80	0830	0426	7.6	27. 52L	138.	.0	445.		4.2
25	03	80	1410	0426	7.6	22. 53L	110.	.0	419.		3.8
25	03	80	1415	0426	7.7	22. 52L	100.	.0	421.		3.9
09	04	80	0825	0426	7.7	19. 53L	110. 01L	.0	376.	4.7	4.0
09	04	80	0830	0426	7.8	19. 52L	110. 01L	.0	377.	4.7	4.1
22	04	80	0855	0426	8.0	28. 53F	130. 01L	0.	387.	4.3	4.3
22	04	80	0900	0426	7.8	28.	140. 01L	0.	386.	4.4	4.0
05	05	80	1705	0426	8.3	24. 53F	130. 01L	0.	330.	3.4	2.0
05	05	80	1710	0426	8.3	24.	120. 01L	0.	330.	3.4	1.7
21	05	80	1225	0426	8.6	24. 53F	119. 01L	4.2	323.	2.6	.4
21	05	80	1230	0426	8.6	24.	119. 01L	1.0	322.	2.6	.6
03	06	80	1130	0426	8.1	23. 52L	119. 01L	.0	331.	2.2	3.2
17	06	80	0910	0426	8.2	23.	118. 01L	.0	311.	1.8	4.2
02	07	80	0900	0426	8.3	24.	121. 01L	.0	335.	2.4	3.0
14	07	80	1400	0426	9.0	22. 52L	118. 01L	11.2	324.	3.8	.6
15	07	80	0900	0426	9.0	24.	118. 01L		330.	4.1	.5
29	07	80	1100	0426	8.8	24.	116. 01L	7.0	313.	3.4	2.2
12	08	80	0915	0426	9.0	23.	117. 01L	9.8	324.	4.2	1.8
26	08	80	1115	0426	8.9	24.	119. 01L	8.4	337.	4.1	1.0
07	09	80	1305	0426	9.1	22. 52L	118. 01L	12.6	328.	4.3	.8
09	09	80	1000	0426	9.1	21.	116. 01L	10.0	332.	4.7	.8
23	09	80	1000	0426	8.7	30.	130. 01L	2.9	373.	4.9	1.1

PH DIC ALK COND CL SIO2

 STATION 08AT05BR2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
 BOW RIVER BELOW BASSANO DAM

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CAREON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR									
07	10	80	1000	0426	8.8		28.	127. 01L	5.2	370.	4.7	.8
21	10	80	1100	0426	8.3		31.	130. 01L	.0	375.	4.1	1.6
04	11	80	1048	0426	8.4		34.	134. 01L	.2	390.	4.9	2.3
18	11	80	1310	0426	8.4		32.	139. 01L	.0	398.	5.3	2.5
09	12	80	0900	0426	8.1		39.	175. 01L	.0	516.	7.9	4.2
06	01	81	0900	0426	7.9		28.	145. 01L	.0	429.	5.1	4.4
27	01	81	1000	0426	8.2		36.	134. 01L	.0	390.	5.4	4.1
17	02	81	0900	0426	7.9		34.	132. 01L	.0	401.	6.1	3.7
10	03	81	0800	0426	8.0		38.	127. 01L	.0	394.	6.0	2.8
10	03	81	0830	0426	8.1		38.	127. 01L	.0	391.	6.0	2.8
21	03	81	1213	0426	8.2		42.	133. 01L	.0	409.	5.9	1.8
07	04	81	1100	0426	8.2		32.	133. 01L	.0	403.	4.8	1.9
22	04	81	0800	0426	8.3		31.	134. 01L	.0	406.	4.5	1.3
05	05	81	0800	0426	8.2		36.	142. 01L	.0	440.	6.2	1.2
20	05	81	0900	0426	8.1		32.	138. 01L	.0	391.	2.9	5.5
07	06	81	1300	0426	8.1		28.	122. 01L	.0	305.	1.8	4.9
01	07	81	0820	0426	8.7		29.	130. 01L	2.8	321.	2.1	2.1
06	07	81	1255	0426	8.7		32.	127. 01L	1.4	322.	2.2	1.0
21	07	81	0930	0426	8.2		31.	117. 01L	.0	294.	1.9	2.7
08	08	81	1320	0426	8.4		30.	124. 01L	.2	320.	2.4	3.1
25	08	81	0900	0426	8.6		29.	121. 01L	3.7	313.	2.1	2.2
31	08	81	1230	0426	8.6		30.	122. 01L	.3	324.	3.1	1.2
22	09	81	0930	0426	8.7		29.	127. 01L	8.2	341.	4.7	.6
14	10	81	0930	0426	8.3		29.	138. 01L	.0	382.	5.6	.4
03	11	81	0950	0426	8.1		33.	142. 01L	.0	399.	5.7	.6
24	11	81	1000	0426	8.1		25.	146. 01L	.0	406.	12.	1.0
16	12	81	1040	0426	7.9		42.	171. 01L	.0	462.	8.3	2.8
08	01	82	1730	0426	7.7		40.	183. 01L	.0	490.	7.7	5.0
08	01	82	1735	0426	7.7		41.	183. 01L	.0	496.	8.2	5.0
02	02	82	1000	0426	7.6		35.	155. 01L	.0	421.	7.0	4.6
22	02	82	0930	0426	7.7		39.	150. 01L	.0	420.	9.0	4.5
16	03	82	1000	0426	7.6		33.	140. 01L	.0	417.	13.	4.6
04	04	82	1415	0426	7.7		35.	145. 01L	.0	412.	9.4	4.6
26	04	82	0720	0426	7.8		22.	115. 01L	.0	321.	6.4	3.2

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A05BN2245 LAT. 500 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL INORGANIC		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. PO4		15256F PHOSPHORUS DISSOLVED ORTHO PO4		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N	MG/L
24	09	79	1305	0426	.049	.025	.025	.029	.13F	.013	.46F	.007	.66F	.18	.01	.19F	L.1	L.1	L.1	L.1
24	09	79	1310	0426	.050	.023	.023	.020	.13F	.010	.46F	.007	.66F	.21	.51F	.01	L.1	L.1	L.1	L.1
09	10	79	1355	0426	.090	.028	.028	.015	.13F	.006	.46F	.003	.66F	.52	.30	.19F	L.1	L.1	L.1	L.1
09	10	79	1400	0426	.082	.026	.026	.014	.13F	.007	.46F	.003	.66F	.53	.51F	.32	L.1	L.1	L.1	L.1
29	10	79	1355	0426	.060	.047	.047	.057	.13F	.040	.46F	.028	.66F	1.2	.80	.19F	L.1	L.1	L.1	L.1
29	10	79	1400	0426	.053	.042	.042	.047	.13L	.037	.46L	.030	.66L	1.2	.51F	.82	L.1	L.1	L.1	L.1
19	11	79	1225	0426	.18	.16	.16	.15	.13L	.14	.46L	.14	.66L	1.9	.61L	1.5	.19L	L.1	L.1	L.1
19	11	79	1230	0426	.19	.17	.17	.15	.13L	.15	.56L	.14	.66L	1.9	.51L	1.5	.10L	L.1	L.1	L.1
10	12	79	1325	0426	.26	.24	.24	.25	.13L	.23	.66L	.23	.66L	2.7	.61L	1.6	.19L	L.1	L.1	L.1
10	12	79	1330	0426	.26	.25	.25	.24	.13L	.22	.56L	.22	.66L	2.6	.51L	1.4	.10L	L.1	L.1	L.1
08	01	80	1125	0426	.18	.18	.18	.18	.13L	.18	.46L	.10	.66L	2.0	.61L	1.4	.19L	L.1	L.1	L.1
08	01	80	1130	0426	.18	.18	.18	.18	.13L	.17	.56L	.16	.66L	2.1	.51L	1.7	.10L	L.1	L.1	L.1
29	01	80	1035	0426	.21	.20	.20	.18	.13L	.18	.46L	.18	.66L	2.1	.61L	1.4	.19L	L.1	L.1	L.1
29	01	80	1040	0426	.21	.19	.19	.18	.13L	.18	.56L	.17	.66L	2.0	.51L	1.4	.10L	L.1	L.1	L.1
19	02	80	1035	0426	.21	.21	.21	.20	.13L	.19	.46L	.18	.66L	2.0	.61L	1.4	.19L	L.1	L.1	L.1
19	02	80	1040	0426	.21	.20	.20	.20	.13L	.19	.56L	.18	.66L	1.9	.51L	1.4	.10L	L.1	L.1	L.1
11	03	80	1025	0426	.23	.23	.23	.21	.13L	.20	.46L	.20	.66L	1.7	.61L	1.1	.19L	L.1	L.1	L.1
11	03	80	1030	0426	.23	.22	.22	.21	.13L	.20	.56L	.19	.66L	1.9	.51L	1.4	.10L	L.1	L.1	L.1
25	03	80	0910	0426	.28	.27	.27	.21	.13L	.20	.46L	.19	.66L	1.8	.61L	1.0	.19L	L.1	L.1	L.1
25	03	80	0915	0426	.21	.21	.21	.20	.13L	.20	.56L	.19	.66L	1.8	.51L	1.0	.10L	L.1	L.1	L.1
09	04	80	1020	0426	.26	.22	.22	.13	.13L	.13	.46L	.11	.66L	1.6	.61L	.68	.19L	L.1	L.1	L.1
09	04	80	1025	0426	.27	.22	.22	.13	.13L	.11	.56L	.10	.66L	1.6	.51L	.68	.10L	L.1	L.1	L.1
22	04	80	1125	0426	.27	.25	.25	.12	.13F	.092	.46F	.090	.66F	1.1	.60	.19F	.5	.19F	L.1	L.1
22	04	80	1130	0426	.27	.24	.24	.11	.13F	.11	.46F	.086	.66F	1.1	.51F	.74	.19F	L.1	L.1	L.1
06	05	80	1905	0426	.080	.047	.047	.054	.13F	.045	.46F	.041	.66F	.27	.12	.19F	.35	.19F	L.1	L.1
06	05	80	1910	0426	.072	.064	.064	.053	.13F	.032	.46F	.027	.66F	.37	.51F	.17	.19F	L.1	L.1	L.1
21	05	80	1555	0426	.073	.010	.010	.040	.13F	.021	.46F	.015	.66F	.22	.51F	L.01	.19F	L.1	L.1	L.1
21	05	80	1600	0426	.13	.12	.12	.036	.13F	.016	.46F	.013	.66F	.25	.51F	L.01	.19F	L.1	L.1	L.1
03	06	80	1500	0426	.15	.11	.11	.047	.13L	.038	.56L	.035	.66L	.55	.61L	.38	.10L	L.1	L.1	L.1
17	06	80	1230	0426	.034	.014	.014	.026	.13F	.007	.46F	.007	.66F	.42	.35	.35	.10L	L.1	L.1	L.1
02	07	80	1230	0426	.041	.003	.003	.023	.13L	L.003	.56L	.003	.66L	.36	.27	.27	.10L	L.1	L.1	L.1
14	07	80	1435	0426	.017	.010	.010	.012	.13L	.007	.56L	.003	.66L	.18	.61L	L.01	.10L	L.1	L.1	L.1
15	07	80	1300	0426	.027	.018	.018	.009	.13L	.007	.46F	.004	.66F	.17	.51F	L.01	.10L	L.1	L.1	L.1
29	07	80	1310	0426	.035	.027	.027	.015	.13L	.004	.46F	.004	.66F	.23	.35	L.01	.10L	L.1	L.1	L.1
12	08	80	1340	0426	.034	.014	.014	.018	.13L	.010	.46F	.010	.66F	.21	.27	.07	.10L	L.1	L.1	L.1
12	08	80	1345	0426	.032	.016	.016	.015	.13L	.009	.46F	.005	.66F	.20	.27	.07	.10L	L.1	L.1	L.1
26	08	80	1315	0426	.025	.018	.018	.013	.13L	.005	.56L	.003	.66L	.18	.61L	L.01	.10L	L.1	L.1	L.1
07	09	80	1345	0426	.024	.017	.017	.013	.13L	.007	.56L	.006	.66L	.30	.61L	L.01	.10L	L.1	L.1	L.1
09	09	80	1230	0426	.019	.010	.010	.014	.13L	.003	.46F	.003	.66L	.21	.27	L.01	.10L	L.1	L.1	L.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A105BN2245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID		PHOSPHORUS TOTAL P	PHOSPHORUS TOTAL P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. P04 P	PHOSPHORUS DISSOLVED ORTHO P04 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
						MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
23	09	80	1145	0426		.028	.025	.013	.010	.010	.55	.42	L.1
07	10	80	1215	0426		.033	.024	.019	.009	.007	.26	.06	L.1
21	10	80	1330	0426		.38	.17	.12	.10	.090	1.2	1.0	L.1
04	11	80	1330	0426		.16	.15	.11	.088	.086	1.1	.94	L.1
19	11	80	1200	0426		.16	.16	.10	.10	.094	1.1	.94	.1
09	12	80	1100	0426		.18	.17	.15	.15	.15	1.1	1.1	.8
06	01	81	1050	0426		.15	.13	.13	.13	.13	1.2	.70	.5
27	01	81	1200	0426		.17	.16	.15	.15	.15	1.1	.68	.6
17	02	81	1100	0426		.20	.19	.16	.16	.14	1.0	1.0	1.1
10	03	81	1100	0426		.19	.19	.14	.14	.14	1.3	1.0	.3
21	03	81	1420	0426		.19	.17	.15	.14	.14	1.4	.78	.4
07	04	81	1330	0426		.18	.18	.12	.096	.090	1.0	.72	.3
22	04	81	1000	0426		.17	.15	.14	.11	.11	.87	.52	L.1
22	04	81	1005	0426		.14	.14	.12	.12	.12	.87	.54	L.1
05	05	81	1045	0426		.25	.19	.16	.16	.16	.93	.73	L.1
20	05	81	1130	0426		.15	.11	.039	.034	.029	.76	.46	.1
07	06	81	1115	0426		.11	.094	.026	.021	.015	.37	.27	L.1
01	07	81	1030	0426		.027	.016	.007	L.003	L.003	.22	.12	L.1
06	07	81	1345	0426		.042	.023	.005	.003	L.003	.11	L.01	L.1
21	07	81	1235	0426		.054	.050	.027	.025	.018	.38	.29	L.1
03	08	81	1150	0426		.10	.052	.026	.019	.016	.52	.41	L.1
25	08	81	1345	0426		.042	.042	.029	.026	.026	.36	.27	L.1
31	08	81	1315	0426		.060	.041	.041	.032	.028	.46	.33	L.1
22	09	81	1130	0426			.021	.021	.010	L.003	.23	.02	L.1
14	10	81	1415	0426		.020	.020	.019	.012	.012	.54	.35	L.1
03	11	81	1130	0426		.34	.32	.10	.10	.087	1.5	1.3	.4
24	11	81	1130	0426		.16	.14	.13	.13	.13	1.7	1.5	.3
16	12	81	0930	0426		.20	.20	.20	.19	.19	2.2	1.3	.9
08	01	82	1900	0426		.26	.26	.26	.26	.25	2.3	1.4	.9
02	02	82	1200	0426		.22	.21	.20	.20	.20	2.3	1.5	
22	02	82	1100	0426		.24	.24	.23	.23	.21	2.0	1.4	.8
16	03	82	1130	0426		.25	.23	.22	.21	.21	2.0	1.6	
04	04	82	1300	0426		.30	.28	.27	.26	.26	1.9	1.5	.5
26	04	82	0930	0426		.39	.36	.071	.063	.063	.90	.65	

STATION 00AT05BN245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	SUBM ID	DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	MG/L
24	09	79	1305	0426	14.	3.9	8.	3.	.19		
24	09	79	1310	0426	14.	3.8	11.	8.			
09	10	79	1355	0426	12.	4.0	11.	7.	.16		
09	10	79	1400	0426	12.	4.2	9.	5.			
29	10	79	1355	0426	7.	5.0	2.	2.	.12		
29	10	79	1400	0426	7.	2.5	2.	11.			
19	11	79	1225	0426	4.	1.8	8.	5.	.14 02L		
19	11	79	1230	0426	4.	1.8	1.	11.			
10	12	79	1325	0426	0.	7.5	3.	2.	.06 02L		
10	12	79	1330	0426	0.	2.3	4.	3.			
08	01	80	1125	0426	.5	.7	2.	1.	.04 02L	.24 02L	2. 06L
08	01	80	1130	0426	.5	2.0	11.	11.			4. 04L
29	01	80	1035	0426	0.	2.0	3.	3.	.05 02L	.27 02L	1. 06L
29	01	80	1040	0426	0.	2.1	2.	11.	.09 02L	.59 02L	1. 04L
19	02	80	1035	0426	0.	1.8	9.	7.			1. 06L
19	02	80	1040	0426	0.	2.0	6.	5.	.12 02L	.89 02L	2. 06L
11	03	80	1025	0426	0.	5.5	13.	10.			1. 04L
11	03	80	1030	0426	0.	5.2	15.	12.	.23 02L	1.4 02L	4. 06L
25	03	80	0910	0426	0.	17.	3.	3.			3. 04L
25	03	80	0915	0426	0.	21.0	19.	16.			
09	04	80	1020	0426	1. 61F	35.	40.	35.	.27 02L	2.0 02L	5. 06L
09	04	80	1025	0426	1. 61F	40.	38.	32.	.56	3.0	6. 04L
22	04	80	1125	0426	10. 61F	1.3	98.	87.			3. 06F
22	04	80	1130	0426	10. 61F	1.9	96.	86.	.17	.63	4. 06F
06	05	80	1905	0426	11. 61F	3.2	4.	2.			2. 06F
06	05	80	1910	0426	11. 61F	3.0	3.	1.			2. 06F
21	05	80	1555	0426		1.7	4.	3.	.24	.95	2. 06F
21	05	80	1600	0426		2.6	6.	4.			3. 04L
03	06	80	1500	0426	15. 61F	27.0	67.0	60.0	.16 02L	.92 02L	2. 06L
17	06	80	1230	0426	20. 61F	38.	108.	99.	.27	2.4	2. 06L
02	07	80	1230	0426	22. 61F	1.8	1.0	11.	.07	.30	2. 04L
14	07	80	1435	0426	21.3 61F		11.	11.	.06 02L	.29 02L	2. 04L
15	07	80	1300	0426		1.2	11.	11.	.05	.16	2. 04L
29	07	80	1310	0426	21.0 61F	2.7	4.	3.	.12	.80	2. 04L
12	08	80	1340	0426	19.0 61F	3.0	5.	5.	.21	.66	2. 04L
12	08	80	1345	0426		3.0	8.	8.			2. 04L
26	08	80	1315	0426	20. 61F	3.5	6.	4.	.05	.27	2. 04L
07	09	80	1345	0426	19.6 61F		7.	5.	.07 02L	.55 02L	2. 04L
09	09	80	1230	0426	19. 61F	2.1	2.	11.	.03	.65	2. 04L

NAQUADAT DETAILED REPORT
 PARTICULATES TEMP DOC

 STATION 00AT05BM2245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
 BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE			SUBM ID	TEMPERATURE OF WATER		JTU	02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	DEG.C.					MG/L		MG/L		MG/L		MG/L		MG/L	
23	09	80	1145	12.5	61F	2.4			3.		3.		.12		.54		2.	
07	10	80	1215	17.	61F	1.7			2.		1.		.08		.53		2.	
21	10	80	1330	7.	61F	16.			35.		27.		.11		.84		2.	
04	11	80	1330	0.	61F	9.2			32.		28.		.17		1.3		2.	
19	11	80	1200			13.			30.		24.		.20		1.1		1.	
09	12	80	1100	0.	61F	2.8			6.		5.		.09		.52		2.	
06	01	81	1050	0.	61F	2.9			5.		4.		.02		.10		2.	
27	01	81	1200			5.0			10.		7.		.09		.47		1.	
17	02	81	1100			10.0			20.		16.		.12		1.1		2.	
10	03	81	1100			6.7			17.		15.		.09		.81		1.	
21	03	81	1420			6.7			23.		21.		.12		.70		2.	
07	04	81	1330	6.0	61F	26.0			74.		69.		.26		2.0		2.	
22	04	81	1000	11.0	61F	4.5			14.		12.		.17		.61		2.	
22	04	81	1005	11.0	61F	5.3			12.		10.		.15		.57		2.	
05	05	81	1045	12.0	61F	2.5			3.		2.		.37		2.1		3.	
20	05	81	1130	14.0	61F	55.			136.		122.		.28		2.2		4.	
07	06	81	1115	14.0	61F	54.			121.		114.		.19		2.0		3.	
01	07	81	1030	16.0	61F	5.8			14.		12.		.08		.42		3.	
06	07	81	1345	21.1	61F				9.		8.		.09		.37		2.	
21	07	81	1235	18.	61F	19.			31.				.08		.55		2.	
08	08	81	1150	21.	61F	9.1			39.		35.		.10		.64		2.	
25	08	81	1345	21.	61F	2.8			4.		2.		.10		.56		2.	
31	08	81	1315	18.1	61F				4.		2.		1.01		.02		2.	
22	09	81	1130	11.	61F	1.7			3.		2.		.08		.43		2.	
14	10	81	1415	7.	61F	1.4			1.		11.		.08		.38		2.	
03	11	81	1130	4.	61F	35.			116.		105.		.64		5.6		3.	
24	11	81	1130			2.8			2.		2.		.07		.36		2.	
16	12	81	0930	.0	61F	1.5			11.		11.		.03		.19		3.	
08	01	82	1900	.0	61F	1.4			2.		2.		1.01		.19		3.	
02	02	82	1200	.0	61F	3.6			4.		4.		.06		.34		2.	
22	02	82	1100	.0	61F	3.7			20.		17.		.10		.56		2.	
16	03	82	1130	5.0	61F	7.1			10.		8.		.08		.56		3.	
04	04	82	1300	6.0	61F	10.			9.		7.		.12		.65		4.	
26	04	82	0930	3.0	61F	43.			178.		163.		.75		6.6		3.	

STATION 00A105BN2245 LAT. 500 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CAC03		10151L ALKALINITY PHENOL PTHALEIN CAC03		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR					MG/L		MG/L		MG/L		US/CM		MG/L		SIO2 MG/L	
24	09	79	1305	0426	8.3					107.		.0		349.					
24	09	79	1310	0426	8.3					107.		.0		351.					
09	10	79	1355	0426	8.2					136.		.0		391.					
09	10	79	1400	0426	8.2					136.		.0		388.					
29	10	79	1355	0426	8.6					126.		1.3		409.					
29	10	79	1400	0426	8.5					125.		1.4		409.					
19	11	79	1225	0426	8.3					133.		.0		417.					
19	11	79	1230	0426	8.3					134.		.0		415.					
10	12	79	1325	0426	8.2					120.		.0		465.					
10	12	79	1330	0426	8.1					114.		.0		464.					
08	01	80	1125	0426	7.7			39. 53L		162.		.0		496.				3.9	
08	01	80	1130	0426	7.8			41. 52L		161.		.0		500.				4.0	
29	01	80	1035	0426	7.8			35. 53L		145.		.0		534.				3.9	
19	02	80	1040	0426	7.7			35. 52L		155.		.0		535.				4.1	
19	02	80	1035	0426	7.9			28. 53L		114.		.0		480.				4.2	
19	02	80	1040	0426	7.8			30. 52L		117.		.0		478.				4.4	
11	03	80	1025	0426	7.7			26. 53L		139.		.0		445.				4.7	
11	03	80	1030	0426	7.6			27. 52L		140.		.0		443.				4.3	
25	03	80	0910	0426	7.7			23. 53L		120.		.0		445.				4.3	
25	03	80	0915	0426	7.7			23. 52L		110.		.0		431.				4.5	
09	04	80	1020	0426	7.8			18. 53L		110. 01L		.0		362.		5.2		3.6	
09	04	80	1025	0426	7.7			19. 52L		110. 01L		.0		365.		5.1		3.8	
22	04	80	1125	0426	7.7			28. 53F		130. 01L		0.		386.		4.7		4.4	
22	04	80	1130	0426	7.6			28.		140. 01L		0.		407.		5.2		5.2	
06	05	80	1905	0426	8.8			23. 53F		130. 01L		.0		320.		3.6		.4	
06	05	80	1910	0426	8.7			24.		130. 01L		.0		325.		3.6		.3	
21	05	80	1555	0426	9.1			22. 53F		110. 01L		10.4		320.		4.4		.2	
21	05	80	1600	0426	9.1			22.		109. 01L		9.0		320.		4.4		1.1	
03	06	80	1500	0426	8.0			23. 52L		115. 01L		.0		319.		2.2		4.9	
17	06	80	1230	0426	8.2			22.		118. 01L		.0		311.		1.6		4.4	
02	07	80	1230	0426	8.8			23.		118. 01L		4.4		319.		2.7		2.6	
14	07	80	1435	0426	9.2			15. 52L		80. 01L		10.3		256.		3.2		.2	
15	07	80	1300	0426	9.1			18.		98. 01L		2.5		271.		3.6		.2	
29	07	80	1310	0426	8.7			20.		98. 01L		4.3		299.		3.8		.7	
12	08	80	1340	0426	9.1			18.		96. 01L		8.3		281.		3.8		.7	
12	08	80	1345	0426	9.1			19.		96. 01L		7.3		279.		3.7		.4	
26	08	80	1315	0426	9.1			15.		78. 01L		6.0		261.		3.8		.4	
07	09	80	1345	0426	9.4			13. 52L		74. 01L		12.3		257.		4.3		.7	
09	09	80	1230	0426	9.1			15.		81. 01L		6.2		266.		3.9		.6	

NAQUADAT DETAILED REPORT

PH DIC ALK COND CL SIO2

STATION 00AT05BN2245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR									
23	09	80	1145	0426	8.6		29.	127. 01L	1.7	364.	4.8	.5
07	10	80	1215	0426	9.0		24.	112. 01L	6.4	339.	4.9	.4
21	10	80	1330	0426	8.3		30.	132. 01L	.0	395.	4.6	1.5
04	11	80	1330	0426	8.4		36.	135. 01L	.0	400.	5.7	1.1
19	11	80	1200	0426	8.2		32.	138. 01L	.0	401.	5.7	2.3
09	12	80	1100	0426	8.2		39.	174. 01L	.0	507.	7.1	3.5
06	01	81	1050	0426	7.9		28.	145. 01L	.0	424.	5.0	4.4
27	01	81	1200	0426	8.2		36.	134. 01L	.0	393.	4.8	4.2
17	02	81	1100	0426	7.8		33.	130. 01L	.0	398.	5.7	3.6
10	03	81	1100	0426	8.1		38.	127. 01L	.0	399.	6.3	2.6
21	03	81	1420	0426	8.2		41.	133. 01L	.0	400.	5.7	2.0
07	04	81	1330	0426	8.3		32.	132. 01L	.0	403.	5.2	2.1
22	04	81	1000	0426	8.7		31.	134. 01L	2.3	401.	4.5	.7
22	04	81	1005	0426	8.7		31.	133. 01L	3.3	400.	4.5	.6
05	05	81	1045	0426	8.9		35.	141. 01L	11.5	404.	5.6	.1
20	05	81	1130	0426	8.0		33.	135. 01L	.0	402.	3.4	5.4
07	06	81	1115	0426	8.1		29.	121. 01L	.0	308.	1.8	5.0
01	07	81	1030	0426	8.7		29.	128. 01L	2.8	323.	2.3	1.5
06	07	81	1345	0426	8.7		32.	126. 01L	3.9	316.	2.3	.4
21	07	81	1235	0426	8.4		32.	116. 01L	.0	295.	1.7	2.8
08	08	81	1150	0426	8.4		29.	123. 01L	.9	315.	2.3	3.2
25	08	81	1345	0426	8.7		29.	120. 01L	6.5	311.	2.7	1.8
31	08	81	1315	0426	9.0		28.	117. 01L	6.	303.	3.0	.8
22	09	81	1130	0426	9.0		24.	107. 01L	7.3	292.	3.9	1.1
14	10	81	1415	0426	8.4		25.	123. 01L	.2	350.	4.8	1.1
03	11	81	1130	0426	8.2		33.	139. 01L	.0	405.	6.4	.6
24	11	81	1130	0426	8.0		25.	147. 01L	.0	421.	14.	1.0
16	12	81	0930	0426	8.1		40.	175. 01L	.0	469.	8.1	2.4
08	01	82	1900	0426	7.7		43.	189. 01L	.0	512.	8.8	4.8
02	02	82	1200	0426	7.6		35.	160. 01L	.0	427.	7.4	4.6
22	02	82	1100	0426	7.6		37.	140. 01L	.0	396.	7.7	4.4
16	03	82	1130	0426	7.6		31.	135. 01L	.0	402.	14.	4.0
04	04	82	1300	0426	7.6		33.	135. 01L	.0	405.	9.6	4.6
26	04	82	0930	0426	7.8		22.	120. 01L	.0	324.	6.6	3.3

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A705BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALANE BRIDGE

SAMPLE DATE			SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID	PHOSPHORUS TOTAL PHOSPHATE P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. P04 P	PHOSPHORUS DISSOLVED ORTHO P04 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	05	79	1600	0426	.034	.022	.019 13F	.016 46F	.013 66F	.29	.02 19F	L.1
15	05	79	1635	0426	.036	.018	.021	.011	.008	.23 51F	.01	L.1
29	05	79	1225	0426	.092	.066	.028 13F	.013 46F	.017 66F	.48	.33 19F	L.1
29	05	79	1226	0426	.081	.073	.028	.015	.016	.50 51F	.35	L.1
12	06	79	1230	0426	.12	.099	.057 13F	.044 46F	.042 66F	.68	.39 19F	L.1
12	06	79	1305	0426	.12	.099	.062	.043	.042	.60 51F	.40	L.1
26	06	79	1130	0426	.077	.071	.035 13F	.030 46F	.026 66F	.37	.19 19F	L.1
26	06	79	1210	0426	.079	.068	.035	.025	.017	.40 51F	.19	L.1
10	07	79	1025	0426	.08	.08	.04 13F	.034 46F	.032 66F	.36	.06 19F	L.1
10	07	79	1040	0426			.039	.032	.027	.25 51F	.03	L.1
24	07	79	1105	0426	.036	.022	.034 13F	.017 46F	.014 66F	.30	.06 19F	L.1
24	07	79	1120	0426	.036	.021	.033	.024	.017			L.1
06	08	79	1050	0426	.038	.024	.027 13F	.011 46F	.005 66F	.31	.03 19F	L.1
06	08	79	1110	0426	.035	.017	.028	.013	.004			L.1
21	08	79	1300	0426	.04	.019	.033 13F	.011 46F	.007 66F	.38	L.01 19F	L.1
21	08	79	1315	0426	.038	.025	.029	.015	.008	.37 51F	L.01	L.1
24	09	79	0925	0426	.026	.010	.021 13F	.010 46F	.003 66F	.24	L.01 19F	L.1
24	09	79	0930	0426	.026	.012	.019	.005	L.003	.25 51F	L.01	L.1
09	10	79	1625	0426	.056	.030	.023 13F	.010 46F	.006 66F	.30	.02 19F	L.1
09	10	79	1630	0426	.053	.029	.016	.009	.006	.32 51F	.03	L.1
30	10	79	1025	0426	.020	.012	.016 13F	.008 46F	.005 66F	.91	.64 19F	L.1
30	10	79	1030	0426	.020	.009	.016	.007	.003	.90 51F	.65	L.1
19	11	79	1425	0426	.13	.12	.092 13L	.083 46L	.077 66L	1.6 61L	1.3 19L	L.1
19	11	79	1430	0426	.13	.12	.085 03L	.079 56L	.071 56L	1.6 61L	1.4 10L	L.1
10	12	79	1455	0426	.18	.16	.16 13L	.15 46L	.15 66L	2.8 61L	1.6 19L	L.1
10	12	79	1500	0426	.20	.16	.17 03L	.14 56L	.14 56L	2.5 51L	1.60 10L	.9
08	01	80	1325	0426	.16	.16	.15 13L	.15 46L	.14 66L	1.9 61L	1.4 19L	.5
08	01	80	1330	0426	.16	.14	.15 03L	.14 56L	.13 56L	2.1 51L	1.4 10L	.5
29	01	80	1240	0426	.19	.18	.17 13L	.16 46L	.16 66L	1.9 61L	1.5 19L	.7
29	01	80	1245	0426	.22	.17	.16 03L	.15 56L	.15 56L	1.7 51L	1.5 10L	.6
19	02	80	1225	0426	.15	.14	.14 13L	.14 46L	.13 66L	1.6 61L	1.4 19L	.3
19	02	80	1230	0426	.19	.17	.19 03L	.13 56L	.13 56L	1.5 51L	1.4 10L	.3
11	03	80	1240	0426	.24	.23	.20 46L	.20 46L	.20 66L	2.0 61L	1.2 19L	.6
11	03	80	1245	0426	.24	.20	.21 03L	.20 56L	.20 56L	2.2 51L	1.4 10L	.6
25	03	80	1045	0426	.28	.25	.20 13L	.18 46L	.18 66L	1.8 61L	1.1 19L	.7
25	03	80	1050	0426	.21	.20	.20 03L	.19 56L	.17 56L	1.7 51L	1.1 10L	.4
09	04	80	1245	0426	.46	.38	.098 13L	.086 46L	.084 66L	1.5 61L	.68 19L	.7
09	04	80	1250	0426	.46	.40	.13 03L	.077 56L	.067 56L	1.5 51L	.74 10L	.6
22	04	80	1555	0426	.37	.32	.12 13F	.10 46F	.083 66F	1.6	1.4 19F	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05BN270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALD BRIDGE

SAMPLE DATE HST D M Y HR	SUBM ID	15406L		15301L		15103F		15356F		15256F		07661F		07110F		07506L	
		PHOSPHORUS TOTAL	PHOSPHATE P	PHOSPHORUS TOTAL	INORGANIC P	PHOSPHORUS DISSOLVED	P	PHOSPHORUS DISSOLVED INORG. P04	P	PHOSPHORUS DISSOLVED ORTHO P04	P	NITROGEN DISSOLVED N	N	NITROGEN DISSOLVED NO3 & NO2 N	N	NITROGEN TOTAL AMMONIA N	MG/L
22 04 80 1600	0426	.32		.32		.11		.096		.083		1.6	51F	1.0		.6	
06 05 80 1105	0426	.11		.08		.050 13F		.040 46F		.040 66F		.39		.24 19F		L.1	
06 05 80 1110	0426	.11		.097		.047				.026		.38 51F		.23		L.1	
22 05 80 0825	0426	.062				.038 13F		.020 46F		.013 66F		.28		.01 19F		L.1	
22 05 80 0830	0426	.055				.034		.014		.006		.28 51F		L.01		L.1	
04 06 80 0830	0426	.15		.15		.038 03L		.031 56L		.030 56L		.42	61L	.39 10L		.1	
18 06 80 1045	0426	.17		.14		.027		.021		.021		.42		.38		L.1	
03 07 80 0800	0426	.046		L.003		.018		L.003		L.003		.23		.07		L.1	
14 07 80 1520	0426	.020		.011		.010 03L		.005 56L		.003 56L		.26 61L		L.01 10L		L.1	
16 07 80 0945	0426	.017		.009		.013		.009		.003		.29		L.01		L.1	
30 07 80 1015	0426	.026		.018		.020		.006		L.003		.29		L.01		L.1	
13 08 80 0900	0426	.030		.008		.011		.005		L.003		.17		L.01		L.1	
27 08 80 0915	0426	.023		.016		.010		.003		L.003		.30		L.01		L.1	
07 09 80 1430	0426	.012		.008		.008 03L		.006 56L		.003 56L		.36 61L		L.01 10L		L.1	
10 09 80 0830	0426	.021		.012		.013		.003		L.003		.26		L.01		L.1	
24 09 80 0930	0426	.036		.027		.006		L.003		L.003		.45		.10		L.1	
08 10 80 0830	0426	.027		.016		.008		.004		L.003		.27		L.01		L.1	
22 10 80 0940	0426	.16		.15		.065		.058		.045		1.2		.98		L.1	
04 11 80 1630	0426	.15		.12		.091		.067		.067		1.1		.90		L.1	
19 11 80 0930	0426	.11		.092		.068		.068		.057		1.1		1.0		.1	
09 12 80 1430	0426	.18		.17		.16		.16		.15		1.3		1.3		1.4	
06 01 81 1400	0426	.15		.15		.12		.12		.12		1.2		.75		.4	
06 01 81 1405	0426	.18		.15		.13		.12		.12		1.2		.75		.4	
27 01 81 1400	0426	.18		.18		.14		.084				1.2		.87		.6	
27 01 81 1405	0426	.18		.17		.15		.13		.10		1.2		.90		.6	
17 02 81 1500	0426	.21		.18		.16		.15		.13		1.2		.90		.7	
10 03 81 1400	0426	.16		.16		.12		.12		.12		1.2		1.0		.1	
22 03 81 0920	0426	.14		.12		.14		.10		.09		1.3		.86		.3	
07 04 81 1530	0426	.15		.15		.11		.099		.095		1.0		.80		.2	
22 04 81 1240	0426	.12		.094		.088		.082		.070		.72		.41		L.1	
05 05 81 1245	0426	.11		.079		.090		.062		.054		.20		.01		L.1	
20 05 81 1330	0426	.14		.13		.048		.043		.037		.70		.42		.2	
07 06 81 0915	0426	.12		.11		.025		.018		.013		.40		.28		L.1	
01 07 81 1230	0426	.052		.040		.005		.003		L.003		.17		.02		L.1	
06 07 81 1440	0426	.021		.009		.004		L.003		L.003		.14		L.01		L.1	
21 07 81 1515	0426	.075		.069		.028		.027		.018		.39		.27		L.1	
08 08 81 0945	0426	.10		.067		.027		.011		.009		.54		.40		L.1	
25 08 81 1130	0426	.029		.026		.015		.011		.011		.17		.02		L.1	
31 08 81 1405	0426	.023		.013		.013		.013		.006		.27		.03		L.1	

STATION 00A05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALDANE BRIDGE

SAMPLE DATE				SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
MST				ID		PHOSPHOROUS TOTAL PHOSPHATE P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. PO4 P	PHOSPHORUS DISSOLVED ORTHO PO4 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
D	M	Y	HR			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	09	81	1300	0426		.028	.017	.018	.004	L.003	.28	.01	L.1
22	09	81	1305	0426		.028	.017	.012	.005	L.003	.25	L.01	L.1
14	10	81	1200	0426		.040	.027	.010	.009	.005	.29	.04	L.1
03	11	81	1400	0426		.088	.076	.050	.047	.043	1.8	1.5	.5
24	11	81	1400	0426		.20	.18	.17	.14	.14	1.7	1.6	.2
15	12	81	1500	0426		.13	.12	.11	.11	.11	1.7	1.2	.6
09	01	82	0900	0426		.24	.24	.23	.23	.22	2.6	1.6	1.0
02	02	82	1500	0426		.21	.19	.18	.18	.18	1.9	1.5	
22	02	82	1300	0426		.22	.21	.21	.19	.19	1.9	1.6	
16	03	82	1300	0426		.25	.24	.22	.21	.21	1.8	1.6	
04	04	82	1100	0426		.26	.26	.25	.24	.23	1.8	1.5	.3
26	04	82	1040	0426		.32	.30	.062	.056	.056	1.0	.85	

SAMPLE DATE				SUBM		02061S	02073L	10401L	10501L	07902F	06902F	06104F
MST				ID		TEMPERATURE OF WATER DEG.C.	TURBIDITY JTU	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL. N	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C
D	M	Y	HR					MG/L	MG/L	MG/L	MG/L	MG/L
15	05	79	1600	0426		17.	6.1	4.	1.	.06		
15	05	79	1635	0426		17.	7.5	6.	1.	.08		
29	05	79	1225	0426		16.	25.	27.	23.	.22		
29	05	79	1226	0426		16.	21.	17.	14.	.19		
12	06	79	1230	0426		21.	21.	24.	19.			
12	06	79	1305	0426		21.	25.	26.	20.	.16		
26	06	79	1130	0426		21.5	13.	17.	10.	.18		
26	06	79	1210	0426		21.5	12.	20.	12.	.19		
10	07	79	1025	0426		22.5	3.4	4.	2.	.07		
10	07	79	1040	0426		22.5	3.8	2.	L.1			
24	07	79	1105	0426		17.5		L.1	L.1	.04		
24	07	79	1120	0426		17.5		L.1	L.1			
06	08	79	1050	0426		22.5	1.6	3.4	L.1	L.01		
06	08	79	1110	0426		22.5	1.6	L.1	2.			
21	08	79	1300	0426		23.5	1.5	L.1	L.1	.06		
21	08	79	1315	0426		23.5	1.1	3.4	2.8			

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOCSTATION 00A105BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALANE BRIDGE

SAMPLE DATE			SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	DEG.	C.	JTU	MG/L		MG/L		MG/L		MG/L		MG/L	
24	09	79	0925	0426	13.	2.4	4.		2.		.04					
24	09	79	0930	0426	13.	2.6	5.		4.							
09	10	79	1625	0426	12.	6.1	13.		9.		.28					
09	10	79	1630	0426	12.	5.9	14.		11.							
30	10	79	1025	0426	4.	3.0	10.		8.		.07					
30	10	79	1030	0426	4.	3.3	11.		11.							
19	11	79	1425	0426	1.	2.5	22.		18.		.08 02L					
19	11	79	1430	0426	1.	30.	3.		11.							
10	12	79	1455	0426	0.	8.0	4.		2.		.08 02L					
10	12	79	1500	0426	0.	2.0	6.		4.							
08	01	80	1325	0426	1.	4.0	11.		11.		.06 02L		.28 02L		3. 06L	
08	01	80	1330	0426	1.	3.2	2.		11.				.24 02L		3. 04L	
29	01	80	1240	0426	0.	4.1	6.		5.		.04 02L				1. 06L	
29	01	80	1245	0426	0.	4.5	2.		2.				.97 02L		1. 04L	
19	02	80	1225	0426	0.	2.4	12.		9.		.18 02L				1. 06L	
19	02	80	1230	0426	0.	2.5	11.		9.				.41 02L		1. 06L	
11	03	80	1240	0426	0.	4.1	14.		11.		.07 02L				2. 04L	
11	03	80	1245	0426	0.	7.5	14.		11.				1.9 02L		3. 06L	
25	03	80	1045	0426	.5	31.	12.		10.		.26 02L				2. 04L	
25	03	80	1050	0426	.5	30.0	22.		18.				6.1 02L		4. 06L	
09	04	80	1245	0426	2.	61F	159.		148.		2.6 02L				5. 04L	
09	04	80	1250	0426	2.	61F	149.		137.				8.2		3. 06F	
22	04	80	1555	0426	11.	61F	151.		151.		1.2				5.	
22	04	80	1600	0426	11.	61F	165.		151.		.23		1.3		2. 06F	
06	05	80	1105	0426	16.	61F	38.		32.							
06	05	80	1110	0426	16.	61F	41.		36.						2.	
22	05	80	0825	0426	22.0	61F	11.		11.		.09		.48		3. 06F	
22	05	80	0830	0426	14.	61F	13.		12.						3.	
04	06	80	0830	0426	20.	61F	94.0		85.0		.10 02L		.49 02L		3. 04L	
18	06	80	1045	0426	20.	61F	109.		101.		.23		2.0		3.	
03	07	80	0800	0426	20.	61F	19.0		18.0		.14		.73		2.	
14	07	80	1520	0426	22.0	61F	2.		.07 02L		.07 02L		.24 02L		3. 04L	
16	07	80	0945	0426	18.0	61F	1.		11.		.05		.21		4.	
30	07	80	1015	0426	20.0	61F	7.4		5.		.06		.35		3.	
13	08	80	0900	0426	20.0	61F	18.		17.		.11		.75		3.	
27	08	80	0915	0426	15.	61F	7.		5.		.10		.70		2.	
07	09	80	1430	0426	21.2	61F	4.		2.		.08 02L		.36 02L		3. 04L	
10	09	80	0830	0426	16.	61F	4.5		2.		.06		.37		2.	
24	09	80	0930	0426	12.	61F	11.		21.		.17		1.0		3.	

PARTICULATES TEMP DOC

STATION 00A05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BCW RIVER AT RONALANE BRIDGE

SAMPLE DATE				02061S		02073L		10401L		10501L		07902F		06902F		06104F	
MST				TEMPERATURE		TURBIDITY		RESIDUE		RESIDUE		NITROGEN		CARBON		CARBON	
D H Y				WATER		JTU		NONFILTR.		NONFILTR.		PARTICUL.		C		C	
ID				DES.C.				MG/L		MG/L		MG/L		MG/L		MG/L	
08	10	80	0830	0426	15. 61F	4.6		7.		6.		.14		.46		2.	
22	10	80	0940	0426	6. 61F	28.		65.		59.		.39		2.7		2.	
04	11	80	1630	0426	0. 61F	9.5		29.		22.		.16		1.1		2.	
19	11	80	0930	0426		8.		11.		8.		.12		.61		1.	
09	12	80	1430	0426	0. 61F	2.5		3.		2.		.04		.10		3.	
06	01	81	1400	0426	0. 61F	6.6		13.		11.		.06		.51		2.	
06	01	81	1405	0426	0. 61F	6.0		11.		9.		.06		.46		2.	
27	01	81	1400	0426		7.7		16.		11.		.13		.83		2.	
27	01	81	1405	0426		8.2		16.		12.		.10		.51		2.	
17	02	81	1500	0426		10.0		20.		17.		.11		.81		3.	
10	03	81	1400	0426		9.5		33.		30.		.12		1.0		1.	
22	03	81	0920	0426		6.9		9.		8.		.09		.57		2.	
07	04	81	1530	0426	7.0 61F	18.0		28.		24.		.28		1.4		2.	
22	04	81	1240	0426	12.0 61F	3.8		5.		4.		.13		.42		2.	
05	05	81	1245	0426	13.0 61F	2.3		3.		2.		.10		1.2		3.	
20	05	81	1330	0426	16.0 61F	40.		77.		69.		.29		1.9		4.	
07	06	81	0915	0426	14.0 61F	67.		160.		155.		.24		2.5		3.	
01	07	81	1230	0426	18.0 61F	24.		54.		51.		.18		1.0		3.	
06	07	81	1440	0426	22.0 61F			28.		24.		.11		.59		3.	
21	07	81	1515	0426	20. 61F	23.		48.				.15		1.0		2.	
08	08	81	0945	0426	21. 61F	8.5		35.		30.		.13		.90		3.	
25	08	81	1130	0426	21. 61F	4.3		11.		7.		.11		.57		2.	
31	08	81	1405	0426	18.1 61F			6.		2.		.07		.50		3.	
22	09	81	1300	0426	13. 61F	3.5				5.		.08		.50		3.	
22	09	81	1305	0426	13. 61F	3.5		6.		4.		.08		.47		3.	
14	10	81	1200	0426	5. 61F	5.1		6.		4.		.26		1.3		4.	
03	11	81	1400	0426		7.5		8.		6.		.33		.94		4.	
24	11	81	1400	0426		4.2		6.		5.		.08		.48		2.	
15	12	81	1500	0426	.0 61F	1.5		1.0		11.		.03		.18		2.	
09	01	82	0900	0426	.0 61F	1.7		4.		3.		.06		.33		3.	
02	02	82	1500	0426	.0 61F	2.9		4.		4.		1.01		.24		2.	
22	02	82	1300	0426	.0 61F	3.7		12.		10.		.13		.77		3.	
16	03	82	1300	0426	5.0 61F	8.4		15.		12.		.12		.89		4.	
04	04	82	1100	0426	5.0 61F	14.		13.		13.		.16		5.4		5.	
26	04	82	1040	0426	5.0 61F	45.		153.		139.		.58				3.	

NAQUADAT DETAILED REPORT

PH DIC ALK COND CL SIO2

STATION 00AT05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
 BOH RIVER AT RONALANE BRIDGE

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR									
15	05	79	1600	0426				99.		349.		
15	05	79	1635	0426				99.		349.		
29	05	79	1225	0426	7.9			115.	.0	337.		
29	05	79	1226	0426	7.9			116.	.0	337.		
12	06	79	1230	0426	8.3			110.	.0	317.		
12	06	79	1305	0426	8.3			110.	.0	332.		
26	06	79	1130	0426	8.6			107.	18.	330.		
26	06	79	1210	0426	8.5			108.	15.	315.		
10	07	79	1025	0426	9.3			75.	42.	290.		
10	07	79	1040	0426	9.2			76.	53.	296.		
24	07	79	1105	0426	9.0			72.	.0	320.		
24	07	79	1120	0426	9.0			70.	.0	321.		
06	08	79	1050	0426	9.1			80.	53.	366.		
06	08	79	1110	0426	9.2			85.	48.	353.		
21	08	79	1300	0426	9.2			84.		311.		
21	08	79	1315	0426	9.4			84.		309.		
24	09	79	0925	0426	8.3			114.	.0	388.		
24	09	79	0930	0426	8.2			114.	.0	389.		
09	10	79	1625	0426	8.2			136.	.0	436.		
09	10	79	1630	0426	8.6			135.	2.9	432.		
30	10	79	1025	0426	8.3			132.	.0	451.		
30	10	79	1030	0426	8.4			131.	.0	449.		
19	11	79	1425	0426	8.3			133.	.0	420.		
19	11	79	1430	0426	8.3			133.	.0	420.		
10	12	79	1455	0426	8.1			122.	.0	501.		
10	12	79	1500	0426	8.1			118.	.0	499.		
08	01	80	1325	0426	7.8		40. 53L	164.	.0	516.		3.1
08	01	80	1330	0426	7.8		40. 52L	166.	.0	518.		3.2
29	01	80	1240	0426	7.8		36. 53L	153.	.0	481.		3.0
29	01	80	1245	0426	7.8		35. 52L	155.	.0	487.		3.2
19	02	80	1225	0426	7.9		29. 53L	112.	.0	486.		3.5
19	02	80	1230	0426	7.8		29. 52L	116.	.0	487.		4.0
11	03	80	1240	0426	7.7		27. 53L	148.	.0	466.		4.5
11	03	80	1245	0426	7.6		28. 52L	136.	.0	466.		4.4
25	03	80	1045	0426	7.7		22. 53L	120.	.0	446.		4.0
25	03	80	1050	0426	7.6		23. 52L	110.	.0	435.		4.0
09	04	80	1245	0426	7.7		19. 53L	110. 01L	.0	386.	5.9	3.6
09	04	80	1250	0426	7.8		20. 52L	110. 01L	.0	384.	6.0	3.9
22	04	80	1555	0426	7.6		28. 53F	130. 01L	0.	385.	4.7	4.4

STATION 00AT05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALANE BRIDGE

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	M	Y	HR			MG/L	MG/L	MG/L	US/CM	MG/L	MG/L
22	04	80	1600	0426	7.6	30.	130. 01L	0.	407.	5.2	5.2
06	05	80	1105	0426	8.7	23. 53F	130. 01L	.0	339.	3.6	.6
06	05	80	1110	0426	8.7	24.	130. 01L	3.3	340.	3.5	.8
22	05	80	0825	0426	8.8	22. 53F	107. 01L	4.5	375.	4.0	.8
22	05	80	0830	0426	8.7	23.	107. 01L	.7	374.	4.0	.8
04	06	80	0830	0426	8.1	23. 52L	117. 01L	.0	342.	2.4	4.8
18	06	80	1045	0426	8.2	23.	119. 01L	.0	324.	1.8	4.4
03	07	80	0800	0426	8.7	23.	120. 01L	5.0	351.	2.6	2.8
14	07	80	1520	0426	9.0	21. 52L	103. 01L	8.3	364.	3.8	1.0
16	07	80	0945	0426	8.4	23.	109. 01L	.0	392.	4.0	.6
30	07	80	1015	0426	8.7	22.	110. 01L	5.4	369.	4.0	.6
13	08	80	0900	0426	8.7	21.	101. 01L	2.0	335.	3.7	1.0
27	08	80	0915	0426	8.8	20.	93. 01L	.2	316.	4.0	.6
07	09	80	1430	0426	9.0	18. 52L	116. 01L	9.5	351.	4.7	.4
10	09	80	0830	0426	8.9	17.	89. 01L	1.9	331.	4.9	.9
24	09	80	0930	0426	8.4	29.	125. 01L	.0	398.	5.0	.6
08	10	80	0830	0426	8.5	25.	110. 01L	.0	369.	5.0	.6
22	10	80	0940	0426	8.2	32.	135. 01L	.0	418.	4.8	2.2
04	11	80	1630	0426	8.5	36.	138. 01L	2.	412.	6.7	1.2
19	11	80	0930	0426	8.2		143. 01L	.0	418.	5.8	1.8
09	12	80	1430	0426	8.0	39.	178. 01L	.0	512.	8.7	2.9
06	01	81	1400	0426	8.0	28.	145. 01L	.0	435.	5.9	4.6
06	01	81	1405	0426	8.0	28.	145. 01L	.0	434.	5.9	4.5
27	01	81	1400	0426	8.1	36.	135. 01L	.0	404.	5.8	3.8
27	01	81	1405	0426	8.1	36.	137. 01L	.0	410.	5.9	3.7
17	02	81	1500	0426	7.8	32.	129. 01L	.0	405.	5.3	3.8
10	03	81	1400	0426	8.3	37.	129. 01L	.0	390.	6.1	2.5
22	03	81	0920	0426	8.3	41.	131. 01L	.0	411.	5.2	1.3
07	04	81	1530	0426	8.3	33.	134. 01L	.0	417.	5.1	1.8
22	04	81	1240	0426	8.9	29.	136. 01L	.9	413.	5.7	.2
05	05	81	1245	0426	9.4	26.	115. 01L	23.0	355.	5.4	.2
20	05	81	1330	0426	8.0	31.	129. 01L	.0	399.	3.8	4.7
07	06	81	0915	0426	8.1	29.	123. 01L	.0	315.	1.8	5.1
01	07	81	1230	0426	8.8	28.	124. 01L	2.3	330.	2.9	1.6
06	07	81	1440	0426	8.8	30.	117. 01L	2.1	314.	2.6	.7
21	07	81	1515	0426	8.4	32.	120. 01L	.0	319.	2.1	2.9
08	08	81	0945	0426	8.5	29.	122. 01L	.9	317.	2.3	3.2
25	08	81	1130	0426	8.9	26.	115. 01L	6.0	311.	3.0	.6
31	08	81	1405	0426	9.0	26.	109. 01L	3.1	336.	3.9	1.0

PH DIC ALK COND CL SIO2

STATION 00AT05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
 BOW RIVER AT RONALDANE BRIDGE

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT. US/CM	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR								
22	09	81	1300	0426	8.9	24.	105. 01L	4.0	338.	4.5	.8
22	09	81	1305	0426	8.9	24.	105. 01L	7.4	338.	4.5	.4
14	10	81	1200	0426	8.3	27.	131. 01L	.0	425.	5.5	.6
03	11	81	1400	0426	8.3	33.	140. 01L	.0	430.	8.2	.1
24	11	81	1400	0426	8.1	25.	146. 01L	.0	428.	14.	1.2
15	12	81	1500	0426	8.1	39.	168. 01L	.0	457.	7.3	2.1
09	01	82	0900	0426	7.7	45.	203. 01L	.0	542.	8.6	4.4
02	02	82	1500	0426	7.6	35.	160. 01L	.0	432.	6.7	4.8
22	02	82	1300	0426	7.6	37.	140. 01L	.0	411.	6.3	4.4
16	03	82	1300	0426	7.6	31.	135. 01L	.0	399.	8.0	4.0
04	04	82	1100	0426	7.6	32.	130. 01L	.0	414.	10.	4.7
26	04	82	1040	0426	7.8	23.	115. 01L	.0	337.	6.5	3.2

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A0T05AD2035 LAT. 480 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE			SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID	PHOSPHORUS TOTAL P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. PO4 P	PHOSPHORUS DISSOLVED ORTHO PO4 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
23	05	79	0830	0426	.21	.112	.007 13F	L.003 46F	L.003 66F	.25	.08 19F	L.1
23	05	79	0900	0426	.19	.12	.008 13F	L.003 46F	.003 66F	.18 51F	.05	L.1
05	06	79	1335	0426	.225	.070	.008 13F	L.003 46F	.003 66F	.16	.07 19F	L.1
05	06	79	1400	0426	.20	.19	.006	L.003	L.003	.16 51F	.08	L.1
19	06	79	1120	0426	.020	.020		.011 46F	L.003 66F	.15	.05 19F	L.1
19	06	79	1140	0426	.020	.020		.005	L.003	.15 51F	.05	L.1
05	07	79	1305	0426	.022	.019	L.003 13F	L.003 46F	L.003 66F	.19	.08 19F	L.1
05	07	79	1315	0426	.03	.011	L.003	L.003	L.003	.24 51F	.08	L.1
18	07	79	1105	0426	.018	.005	L.008 13F	L.003 46F	L.003 66F	.13	.02 19F	L.1
18	07	79	1120	0426	.020	.003	L.003	L.003	L.003	.13 51F	.01	L.1
31	07	79	1545	0426	.015	.012	.005 13F	.004 46F		.12	L.01 19F	L.1
31	07	79	1600	0426	.017	.011	.008	.003 56L	L.003	.16 51F	.01	L.1
18	09	79	1340	0426	.016	.009	.004 13F	L.003 46F	L.003 66F	.15	L.01 19F	L.1
18	09	79	1345	0426	.015	.012	.003	L.003	L.003	.11	.01	L.1
02	10	79	1255	0426	.012	.006	.012 13F	L.003 46F	L.003 66F		L.01 19F	L.1
02	10	79	1300	0426	.009	.007	.005	L.003	L.003	.11 51F	L.01	L.1
18	10	79	0925	0426	.017	.009	.006 13F	.004 46F	L.003 66F	.16	L.01 19F	L.1
18	10	79	0930	0426	.022	.012	L.003	L.003	L.003	.12 51F	.01	L.1
06	11	79	1325	0426	.007	.003	.003 13L	L.003 46L	L.003 66L	.11 61L	.04 19L	L.1
06	11	79	1330	0426	.006	.006	.004 03L	L.003 56L	L.003 56L	.14 51L	.04 10L	L.1
27	11	79	0855	0426	.003	.003	L.003 13L	L.003 46L	L.003 66L	.25 61L	.08 19L	L.1
27	11	79	0900	0426	.004	.004	.004 03L	.003 56L	.003 56L	.30 51L	.09 10L	L.1
18	12	79	0925	0426	.004	.003	.004 13L	L.003 46L	L.003 66L	.41 61L	.21 19L	L.1
18	12	79	0930	0426	.007	.006	.007 03L	.004 56L	L.003 56L	.39 51L	.21 10L	L.1
15	01	80	1055	0426	.009	.003	L.003 13L	L.003 46L	L.003 66L	.35 61L	.28 19L	L.1
15	01	80	1100	0426	.015	.009	.011 03L	.003 56L	L.003 56L	.35 51L	.28 10L	L.1
05	02	80	0940	0426	.006	.003	.003 13L	.003 46L				L.1
05	02	80	0945	0426	.007	.007	.007 03L	.007 56L	.003 56L	.45 51L	.29 10L	L.1
26	02	80	0910	0426	.011	L.003	.003 13L	L.003 46L	L.003 66L	.37 61L	.32 19L	L.1
26	02	80	0915	0426	.008	.005	L.003 03L	L.003 56L	L.003 56L	.38 51L	.32 10L	L.1
18	03	80	1325	0426	.026	.015	.012 13L	.009 46L	L.003 66L	.44 61L	.17 19L	L.1
18	03	80	1330	0426	.034	.022	.017 03L	.006 56L	.003 56L	.45 51L	.17 10L	L.1
01	04	80	0905	0426	.019	.013	.006 13L	.004 46L	L.003 66L	.18 61L	.01 19L	L.1
01	04	80	0910	0426	.023	.015	.006 03L	.005 56L	L.003 56L	.21 51L	.01 10L	L.1
15	04	80	0955	0426	.032	.014	.011 13L	L.003 46L	L.003 66L	.32 61L	L.01 19L	L.1
15	04	80	1000	0426	.026	.015	.011 03L	.011 56L	.004 56L	.24 51L	.01 10L	L.1
29	04	80	1425	0426	.17	.16	.008 13F	.006 46F	L.003 66F	.30	.06 19F	L.1
29	04	80	1430	0426	.18	.16	.007	L.003	L.003	.33 51F	.12	L.1
13	05	80	1320	0426		.032	.005 13L	.004 46L	L.003 66L	.13 61L	.02 19L	L.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE			SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED		15256F PHOSPHORUS DISSOLVED		07661F NITROGEN DISSOLVED		07110F NITROGEN DISSOLVED		07506L NITROGEN TOTAL AMMONIA N
D	M	Y		HR	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	
13	05	80		1325	0426	.031	.028	.005	.03L	.003	.03L	.003	.03L	.09	.51L	.01	.10L	L.1
27	05	80		1355	0426	2.0	1.8	.006	.13L	.003	.03L	.003	.03L	.35	.61L	.18	.19L	.1
27	05	80		1400	0426	2.0		.004	.03L	.003	.03L	.003	.03L	.32	.51L	.17	.10L	.1
10	06	80		1330	0426	.064	.052	.003	.03L	.003	.03L	.003	.03L	.21	.61L	.04	.10L	L.1
24	06	80		1320	0426	.060	L.003	.003		.003		L.003		.12		.05		L.1
08	07	80		1455	0426	.009	.007	L.003		L.003		L.003		.10		.01		L.1
08	07	80		1500	0426	.007	.005	L.003		L.003		L.003		.11		L.01		L.1
22	07	80		1330	0426	.11	.008	.003		L.003		.003		.23		L.01		L.1
06	08	80		1330	0426	.014	.009	.004		.004		.003		.12		L.01		L.1
19	08	80		1210	0426	.018	.009	.011		.005		L.003		.14		L.01		L.1
03	09	80		1215	0426	.006	.005	L.003		L.003		L.003		.06		L.01		L.1
16	09	80		1200	0426	.008	.003	L.003		L.003		L.003		.15		.03		L.1
30	09	80		1600	0426	.021	.011	.006		L.003		L.003		.16		L.01		L.1
15	10	80		1215	0426	.007	.005	L.003		L.003		L.003		.11		L.01		L.1
30	10	80		1220	0426	.027	.010	.003		L.003		L.003		.10		.02		L.1
11	11	80		1600	0426	.010	.005	.006		.005		L.003		.13		.04		L.1
25	11	80		1320	0426	.011	.005	.004		.004		L.003		.14		.11		L.1
16	12	80		1530	0426	1.1	.82	.009		.009		L.003		.29		.11		L.1
13	01	81		1310	0426	.025	.012	.006		.006		L.003		.32		.11		L.1
03	02	81		1400	0426	.053	.012	L.003		L.003		L.003		.26		.11		L.1
22	02	81		1700	0426	.12	.11	.015		.003		L.003		.14		.14		L.1
15	03	81		1330	0426	.007	.004	L.003		L.003		L.003		.13		L.01		L.1
02	04	81		1400	0426	.021	.004	L.003		L.003		L.003		.16		.02		L.1
14	04	81		1430	0426	.011	.006	.004		L.003		L.003		.16		.01		L.1
28	04	81		1330	0426	.069	.069	.005		.005		L.003		.14		.04		L.1
28	04	81		1335	0426	.055	.049	.005		.003		L.003		.14		.05		L.1
12	05	81		1315	0426	.095	.076	.004		L.003		L.003		.17		.08		L.1
26	05	81		1630	0426	.38	.33	.011		.003		L.003		.23		.08		L.1
16	06	81		1315	0426	.26	.20	.019		.013		.005		.57		.32		L.1
13	07	81		1345	0426	.020	.009	.003		L.003		L.003		.12		.02		L.1
28	07	81		1530	0426	.024	.013	.003		.003		L.003		.20		.02		L.1
18	08	81		1410	0426	.014	.014	.004		L.003		L.003		.12		L.01		L.1
09	09	81		1200	0426	.007	.007	L.003		L.003		L.003		.10		L.01		L.1
29	09	81		1400	0426	.008	.003	L.003		L.003		L.003		.13		L.01		L.1
20	10	81		1515	0426	.007	.003	.005		L.003		L.003		.12		.02		L.1
11	11	81		0900	0426	.024	.013	.007		.003		L.003		.14		.02		L.1
30	11	81		0830	0426	.007	L.003	.005		L.003		L.003		.35		.20		L.1
14	12	81		1300	0426	.015	.008	.005		.005		.005		.28		.18		L.1
09	01	82		1600	0426	.016	.007	.008		.007		.007		3.3		3.0		L.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AD2035 LAT. 480 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE				SUBM		15406L PHOSPHORUS TOTAL PHOSPHATE P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR	ID		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
10	02	82	1130	0426		.021		.017		.017		.009		.009		.48		.29		.11	
23	02	82	1430	0426		.006		L.003		L.003		L.003		L.003		.40		.31		L.1	
23	03	82	0930	0426		.021		.011		.009		.005		L.003		.32		.20		L.1	
03	04	82	1030	0426		.025		.017		.011		.003		L.003		.36		.12		L.1	
27	04	82	1400	0426		.031		.029		.010		.003		L.003		.20		.01		L.1	
SAMPLE DATE				SUBM		02061S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C			
D	M	Y	HR	ID		DEG.C.		JTU		MG/L		MG/L		MG/L		MG/L		MG/L			
23	05	79	0830	0426		13.		115.		264.				.50							
23	05	79	0900	0426		13.		110.		288.		260.		.48							
05	06	79	1335	0426		15.		83.		170.		152.		.75							
05	06	79	1400	0426		15.		82.		233.		212.		.84							
19	06	79	1120	0426		15.5		18.		24.		22.		.04							
19	06	79	1140	0426		15.5		18.		24.		24.		.02							
05	07	79	1305	0426		23.5				60.		50.		.09							
05	07	79	1315	0426		23.5				31.		23.									
18	07	79	1105	0426		23.5		4.5		3.		2.		.04							
18	07	79	1120	0426		23.5		5.6		4.		3.									
31	07	79	1545	0426		23.		2.3		1.6		1.2		.06							
31	07	79	1600	0426		23.		1.8		6.4		4.8									
18	09	79	1340	0426		16.		4.1		L1.		L1.		.8							
18	09	79	1345	0426				6.2		8.		L1.		.08							
02	10	79	1255	0426		12.		4.1		6.		4.									
02	10	79	1300	0426		12.		4.2		9.		8.		.04							
18	10	79	0925	0426		8.		5.5		8.		6.									
18	10	79	0930	0426		8.		8.4		36.		28.									
06	11	79	1325	0426		4.		3.2		6.		5.		.04 02L							
06	11	79	1330	0426		4.		2.3		7.		6.									
27	11	79	0855	0426		0.		2.1		L1.		L1.		.07 02L							
27	11	79	0900	0426		0.		2.8		L1.		L1.									
18	12	79	0925	0426		1.		1.6		1.		2.		.04 02L							
18	12	79	0930	0426		1.		1.8		3.		2.									

PARTICULATES TEMP DOC

NAQUADAT DETAILED REPORT

STATION 00AT05AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
 OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHERIDGE STP OUTFALL

SAMPLE DATE				020615S		020731L		104011L		105011L		07902F		06902F		06104F	
D	M	Y	HR	SUBM	TEMPERATURE OF WATER	TURBIDITY	JTU	RESIDUE NONFILTR.	MG/L	RESIDUE FIXED NONFILTR.	MG/L	NITROGEN PARTICUL.	MG/L	CARBON ORGANIC PARTICULATE C	MG/L	CARBON DISSOLVED ORGANIC C	MG/L
15	01	80	1055	0426	0.	1.7		2.	2.	2.		.04	.22	.22	2.	.06L	
15	01	80	1100	0426	0.	2.0		3.	3.	2.					2.	.04L	
05	02	80	0940	0426	0.	2.1		2.	11.	11.		.02	.02L	.07	2.	.04L	
05	02	80	0945	0426	0.	2.8		11.	11.	11.		.03	.02L	.19	2.	.06L	
26	02	80	0910	0426	.5	3.2		5.	4.	4.							
26	02	80	0915	0426	.5	3.2		7.	6.	6.		.09	.02L	.42	2.	.04L	
18	03	80	1325	0426	0.	16.		13.	11.	11.					4.	.06L	
18	03	80	1330	0426	0.	17.		4.	3.	3.					4.	.04L	
01	04	80	0905	0426	1.	61F	15.0	12.	12.	12.		.09	.02L	.37	4.	.06L	
01	04	80	0910	0426	1.	61F	8.0	6.	6.	6.					4.	.04L	
15	04	80	0955	0426	10.	61F	1.7	3.	2.	2.		.13	.02L	.50	3.	.06L	
15	04	80	1000	0426	10.	61F	1.7	6.	5.	5.		.41		4.0	3.	.06F	
29	04	80	1425	0426		28.0		234.	215.	215.					4.		
29	04	80	1430	0426		47.0		231.	213.	213.							
13	05	80	1320	0426		13.0		27.				.10	.02L	.50	2.	.06L	
13	05	80	1325	0426		13.0		32.	29.	29.					2.	.04L	
27	05	80	1355	0426	11.	61F	1250.	3425.	3272.	3272.		1.3	.02L	12.2	2.	.06L	
27	05	80	1400	0426	11.	61F	1250.	3135.	2985.	2985.					2.	.04L	
20	06	80	1330	0426	19.	61F	38.0	88.0	73.0	73.0		.14	.02L	.56	2.	.04L	
24	06	80	1320	0426	18.	61F	28.	82.0	72.0	72.0		.11		1.1	2.		
08	07	80	1455	0426		4.0		5.0	4.0	4.0		.05		.26	2.		
08	07	80	1500	0426		4.0		6.0	5.0	5.0		.06		.25	2.		
22	07	80	1330	0426		4.2		6.	5.	5.		.32		.32	2.		
06	08	80	1330	0426	17.0	61F	6.5	9.	7.	7.		.06		.06	2.		
19	08	80	1210	0426	20.0	61F	3.2	7.	6.	6.		.06		.29	2.		
03	09	80	1215	0426	15.	61F	3.4	6.	4.	4.		.01		.20	2.		
16	09	80	1200	0426	13.	61F	5.0	9.	8.	8.		.04		.26	2.		
30	09	80	1600	0426	15.	61F	9.7	17.	9.	9.		.06		.42	2.		
15	10	80	1215	0426	9.	61F	3.8	5.	3.	3.		.08		.22	2.		
30	10	80	1220	0426	6.	61F	15.	26.	24.	24.		.10		.55	1.		
11	11	80	1600	0426		6.0		11.	9.	9.		.04		.31	2.		
25	11	80	1320	0426		6.6		11.	10.	10.		.06		.31	2.		
16	12	80	1330	0426		220.		1980.	1870.	1870.		1.1		13.	2.		
13	01	81	1310	0426	0.	61F	14.	31.	29.	29.		.03		.47	2.		
03	02	81	1400	0426		6.9		27.	25.	25.					2.		
22	02	81	1700	0426		62.0		186.	176.	176.		.54		3.6	3.		
15	03	81	1330	0426		2.6		5.	3.	3.		.05		.14	2.		
02	04	81	1400	0426	7.0	61F	5.0	6.	5.	5.		.10		.41	3.		
14	04	81	1430	0426	7.0	61F	2.1	3.	2.0	2.0		.06		.17	2.		

STATION 00AT05AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDHAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE				SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	04	81	1330	0426	10.0	61F	58.	118.	108.	.29	1.7	3.					
28	04	81	1335	0426	10.0	61F	55.	112.	104.	.23	.87	3.					
12	05	81	1315	0426	11.0	61F	66.	195.	179.	.27	2.3	3.					
26	05	81	1630	0426	13.0	61F	270.	940.	922.	.58	6.4	4.					
16	06	81	1315	0426	13.0	61F	200.	452.	419.	.51	4.8	6.					
13	07	81	1345	0426	21.0	61F	19.	26.	23.	.08	.41	2.					
28	07	81	1530	0426	21.0	61F	20.	23.	19.	.08	.49	3.					
18	08	81	1410	0426	23.	61F	2.6	4.	2.	.05	.18	2.					
09	09	81	1200	0426	19.	61F	2.2	6.	5.	.04	.21	2.					
29	09	81	1400	0426	11.	61F	2.8	2.	1.	.04	.16	3.					
20	10	81	1515	0426	7.0	61F	3.9	7.	5.	.06	.23	2.					
11	11	81	0900	0426			5.7	9.	7.	.06	.38	2.					
30	11	81	0830	0426	.0	61F	2.9	6.	5.	.03	.18	3.					
14	12	81	1300	0426	.0	61F	2.0	8.0	5.0	.03	.16	2.					
09	01	82	1600	0426	.0	61F	.6	10.	8.	1.01	.23	4.					
10	02	82	1130	0426	.0	61F	2.4	5.	2.	.04	.23	2.					
23	02	82	1430	0426	.0	61F	3.7	4.	3.	.05		3.					
23	03	82	0930	0426	5.	61F	5.6	6.	5.	.08	.47	3.					
03	04	82	1030	0426	4.0	61F	8.5	15.	13.	.10	.68	6.					
27	04	82	1400	0426	11.0	61F	27.	32.	28.	.17	.98	4.					

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR									
23	05	79	0830	0426	8.2			107.	.0	290.		
23	05	79	0900	0426	8.2			107.	.0	279.		
05	06	79	1335	0426	8.1			96.	.0	255.		
05	06	79	1400	0426	7.9			95.	.0	257.		
19	06	79	1120	0426	8.2			112.	.0	276.		
19	06	79	1140	0426	8.2			114.	.0	273.		
05	07	79	1305	0426	7.9			138.	.0	446.		
05	07	79	1315	0426	8.1			133.	.0	410.		
18	07	79	1105	0426	8.3			124.	.0	371.		

STATION 00AT05AD0235 LAT. 46D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
 OLOTHAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE				10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE SIO2	
D	M	Y	HR	SUBH ID	PH UNITS	MG/L		MG/L		MG/L		US/CM		MG/L		MG/L	
18	07	79	1120	0426	8.4			128.				373.					
31	07	79	1545	0426	8.6			116.		.0		354.					
31	07	79	1600	0426	8.6			113.		33.		360.					
18	09	79	1340	0426	8.4			129.		1.4		398.					
18	09	79	1345	0426	8.5			127.		2.2		415.					
02	10	79	1255	0426	8.3			123.		.0		394.					
02	10	79	1300	0426	8.3			121.		.0		433.					
18	10	79	0925	0426	8.3			114.		.0		352.					
18	10	79	0930	0426	8.3			114.		.0		385.					
06	11	79	1325	0426	8.3			142.		.0		432.					
06	11	79	1330	0426	8.3			144.		.0		441.					
27	11	79	0855	0426	8.2			142.		.0		515.					
27	11	79	0900	0426	8.2			151.		.0		481.					
18	12	79	0925	0426	8.0			186.		.0		496.					
18	12	79	0930	0426	8.2			186.		.0		559.					
15	01	80	1055	0426	7.9	46. 53L		194.		.0		532.				3.2	
15	01	80	1100	0426	7.9	42. 52L		194.		.0		535.				3.1	
05	02	80	0940	0426	7.8			174.		.0		470.				3.4	
05	02	80	0945	0426	7.9	39. 52L		172.		.0		498.				3.4	
26	02	80	0910	0426	7.9	32. 53L		175.		.0		488.				3.4	
26	02	80	0915	0426	8.0	33. 52L		175.		.0		489.				3.4	
18	03	80	1325	0426	7.9	26. 53L		120.		.0		451.				2.9	
18	03	80	1330	0426	8.2	27. 52L		116.		.0		450.				2.8	
01	04	80	0905	0426	8.3			120. 01L		.0		330.		2.5		.8	
01	04	80	0910	0426	8.3	21. 52L		120. 01L		.0		327.		2.5		.8	
15	04	80	0955	0426	8.4	36. 53L		170. 01L		5.0		581.		3.4		.4	
15	04	80	1000	0426	8.4	37. 52L		170. 01L		3.5		570.		3.4		.6	
29	04	80	1425	0426	8.0	22. 53F		120. 01L		0.		289.		1.2		4.7	
29	04	80	1430	0426	8.0	22.		120. 01L		0.		288.		1.1		4.6	
13	05	80	1320	0426	8.2	23. 53L		116. 01L		0.		293.		.8		3.0	
13	05	80	1325	0426		23. 52L				.0		312.		1.0		3.0	
27	05	80	1355	0426	8.1	22. 53L		111. 01L		0.		312.		1.5		3.9	
27	05	80	1400	0426	8.1	22. 52L		110. 01L		0.		310.		1.6		4.0	
10	06	80	1330	0426	8.2	22. 52L		109. 01L		.0		274.		.8		3.4	
24	06	80	1320	0426	8.4	22.		108. 01L		.0		265.		1.0		3.0	
08	07	80	1455	0426	8.6	28.		128. 01L		3.5		336.		1.1		2.2	
08	07	80	1500	0426	8.6	28.		128. 01L		3.0		337.		1.1		2.2	
22	07	80	1330	0426	8.5	28.		129. 01L		3.0		371.		1.4		1.6	
06	08	80	1330	0426	8.6	24.		117. 01L		5.3		313.		2.6		.4	

STATION 00A105AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE					SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR									
19	08	80	1210	0426	8.4	28.	134. 01L	.0	404.	1.9	1.8	
03	09	80	1215	0426	8.4	30.	134. 01L	.1	390.	5.1	2.2	
16	09	80	1200	0426	8.4	31.	136. 01L	2.5	403.	2.0	1.9	
30	09	80	1600	0426	8.4	29.	126. 01L	1.7	330.	1.1	2.2	
15	10	80	1215	0426	8.4	31.	141. 01L	2.0	397.	1.7	1.7	
30	10	80	1220	0426	8.6	33.	131. 01L	.5	342.	1.2	2.8	
11	11	80	1600	0426	8.4	35.	134. 01L	.2	339.	1.1	2.6	
25	11	80	1320	0426	8.2	34.	142. 01L	.0	375.	1.5	2.6	
16	12	80	1530	0426	8.2	24.	120. 01L	.0	328.	1.2	3.4	
13	01	81	1310	0426	8.3		135. 01L	.0	342.	1.2	3.5	
03	02	81	1400	0426	8.2	42.	167. 01L	.0	439.	1.8	3.2	
22	02	81	1700	0426	8.2	32.	131. 01L	.0	389.	2.1	3.7	
15	03	81	1330	0426	8.4	37.	189. 01L	3.2	433.	1.9	1.2	
02	04	81	1400	0426	8.3	46.	168. 01L	.0	503.	2.7	2.4	
14	04	81	1430	0426	8.3	38.	169. 01L	.0	464.	1.9	2.6	
28	04	81	1330	0426	8.2	27.	120. 01L	.0	294.	1.0	4.8	
28	04	81	1335	0426	8.2	26.	120. 01L	.0	290.	1.0	4.7	
12	05	81	1315	0426	8.2	31.	129. 01L	.0	321.	1.2	4.2	
26	05	81	1630	0426	8.2	28.	116. 01L	.0	276.	.8	5.1	
16	06	81	1315	0426	8.2	30.	125. 01L	.0	330.	1.3	5.7	
13	07	81	1345	0426	8.3	31.	129. 01L	.0	315.	1.0	3.0	
28	07	81	1530	0426	8.6	42.	160. 01L	.5	385.	1.4	4.4	
18	08	81	1410	0426	8.7	36.	140. 01L	3.7	355.	1.5	2.6	
09	09	81	1200	0426	8.5	34.	147. 01L	.5	400.	1.6	1.4	
29	09	81	1400	0426	8.4	25.	147. 01L	.5	436.	2.3	1.0	
20	10	81	1515	0426	8.4	32.	159. 01L	.2	462.	2.5	1.2	
11	11	81	0900	0426	8.3	25.	151. 01L	.0	393.	1.7	2.2	
30	11	81	0830	0426	8.3	44.	181. 01L	.0	505.	2.4	2.4	
14	12	81	1300	0426	8.2	44.	189. 01L	.0	477.	2.1	3.2	
09	01	82	1600	0426	7.1	77.	331. 01L	.0	1330.	15.	7.8	
10	02	82	1130	0426	7.8	45.	180. 01L	.0	432.	2.0	3.8	
23	02	82	1430	0426	8.2	37.	145. 01L	.0	414.	2.6	3.2	
23	03	82	0930	0426	8.1	39.	155. 01L	.0	425.	2.8	2.8	
03	04	82	1030	0426	8.1	37.	155. 01L	.0	453.	3.5	2.8	
27	04	82	1400	0426	8.3	31.	145. 01L	.0	372.	2.3	1.9	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05AD02050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
OLDMAN RIVER AT HIGHWAY #645, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE				SUBM		15406L		15301L		15103F		15356F		15256F		07661F		07110F		07506L	
D	M	Y	HR	ID		PHOSPHORUS	MG/L	PHOSPHORUS	MG/L	PHOSPHORUS	MG/L	PHOSPHORUS	MG/L	PHOSPHORUS	MG/L	NITROGEN	MG/L	NITROGEN	MG/L	TOTAL	MG/L
						TOTAL		TOTAL		DISSOLVED		DISSOLVED		DISSOLVED		DISSOLVED		DISSOLVED		DISSOLVED	
						PHOSPHATE		INORGANIC		P		P		P		N		N		N	
23	05	79	0530	0426		.24	.19	.19	.009	.13F	.003	.46F	.003	.66F	.18	.18	.06	.19F	.06	.19F	.1
23	05	79	0605	0426		.27	.17	.17	.008		.003		.003		.18	.51F	.06		.06		.1
05	06	79	1130	0426		.95	.18	.18	.012	.13F	.005	.46F	.003	.66F	.24	.51F	.08		.08		.1
05	06	79	1155	0426		.80	.008	.008	.013		.005		.003		.15		.06	.19F	.06		.1
19	06	79	0920	0426		.048	.038	.038			.010	.46F	.008	.66F	.21	.51F	.01		.01		.1
19	06	79	0940	0426		.048	.034	.034	.016		.010		.004		.12	.51F	.02		.02		.1
05	07	79	1110	0426		.024	.015	.015	.006	.13F	.003	.46F	.006	.66F	.36	.51F	.08		.08		.1
05	07	79	1130	0426		.024	.014	.014	.006		.003		.003		.16		.01	.19F	.01		.1
18	07	79	0920	0426		.11	.087	.087	.084	.13F	.073	.46F	.057	.66F	.29	.61L	.13		.13		.1
18	07	79	0935	0426		.11	.077	.077	.084		.067		.061		.32	.51L	.14		.14		.1
31	07	79	1400	0426		.066	.038	.038	.042	.13F	.022	.46F	.010	.66F	.19		.01	.19F	.01		.1
31	07	79	1415	0426		.057	.030	.030	.032		.011		.017		.30		.08		.08		.1
18	09	79	1155	0426		.20	.18	.18	.18	.13F	.17	.46F	.16	.66F	.47	.51F	.24		.24		.2
18	09	79	1200	0426		.23	.18	.18	.17		.17		.17		.45	.51F	.13		.13		.1
02	10	79	1125	0426		.12	.11	.11	.12	.13F	.093	.46F	.093	.66F	.18		.01	.19F	.01		.1
02	10	79	1130	0426		.12	.10	.10	.10		.094		.094		.18	.51F	.01		.01		.1
18	10	79	0725	0426		.18	.16	.16	.15	.13F	.13	.46F	.13	.66F	.48		.24	.19F	.24		.2
18	10	79	0730	0426		.17	.16	.16	.15		.13		.13		.47	.51F	.24		.24		.2
06	11	79	1225	0426		.10	.091	.091	.089	.13L	.084	.46L	.073	.66L	.29	.61L	.13		.13		.1
06	11	79	1230	0426		.10	.093	.093	.084	.03L	.082	.56L	.074	.56L	.32	.51L	.14		.14		.1
27	11	79	0755	0426		.14	.13	.13	.13	.13L	.12	.46L	.11	.66L	.53	.61L	.20		.20		.3
27	11	79	0800	0426		.14	.13	.13	.21	.13L	.19	.46L	.11	.56L	.52	.51L	.20		.20		.3
18	12	79	0830	0426		.22	.20	.20	.20	.13L	.19	.46L	.19	.66L	.85	.61L	.32		.32		.5
18	12	79	0935	0426		.21	.20	.20	.20	.03L	.19	.56L	.19	.56L	.95	.51L	.33		.33		.5
15	01	80	0910	0426		.24	.22	.22	.23	.13L	.21	.46L	.21	.66L	1.1	.61L	.60		.60		.7
15	01	80	0915	0426		.24	.23	.23	.23	.13L	.21	.56L	.21	.56L	1.2	.51L	.62		.62		.5
05	02	80	0840	0426		.24	.23	.23	.23	.13L	.22	.46L	.22	.66L	1.0	.61L	.5		.5		.5
05	02	80	0845	0426		.25	.23	.23	.24	.03L	.23	.56L	.22	.56L	1.1	.51L	.46		.46		.4
26	02	80	0810	0426		.24	.24	.24	.23	.03L	.22	.56L	.22	.56L	.91	.51L	.46		.46		.4
26	02	80	0815	0426		.26	.24	.24	.23	.13L	.22	.46L	.22	.66L	.87	.61L	.45		.45		.4
18	03	80	1145	0426		.23	.20	.20	.16	.13L	.14	.46L	.13	.66L	.78	.61L	.25		.25		.2
18	03	80	1150	0426		.25	.22	.22	.16	.03L	.12	.56L	.12	.56L	.70	.51L	.24		.24		.2
01	04	80	0815	0426		.16	.14	.14	.097	.13L	.087	.46L	.070	.66L	.32	.51L	.09		.09		.1
15	04	80	0820	0426		.18	.15	.15	.094	.03L	.086	.56L	.075	.56L	.35	.51L	.08		.08		.1
01	04	80	0825	0426		.23	.21	.21	.17	.13L	.16	.46L	.15	.66L	.40	.61L	.10		.10		.1
15	04	80	0830	0426		.20	.18	.18	.16	.03L	.15	.56L	.13	.56L	.43	.51L	.11		.11		.1
29	04	80	1155	0426		.23	.17	.17	.042	.13F	.035	.46F	.017	.66F	.31		.10	.19F	.10		.2
29	04	80	1200	0426		.23	.18	.18	.054		.041		.030		.37	.51F	.13		.13		.2
13	05	80	1155	0426		.080			.026	.13L	.025	.46L	.017	.66L	.15	.61L	.04		.04		.1

NAQUADAT DETAILED REPORT

PHOSPHORUS AND NITROGEN FORMS

STATION 00A105AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
OLDMAN RIVER AT HIGHWAY #845, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE			SUBM ID	15406L PHOSPHATE TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. P		15256F PHOSPHORUS DISSOLVED ORTHOPHOSPHATE		07661F NITROGEN DISSOLVED		07110F NITROGEN DISSOLVED NO3 & NO2		07506L NITROGEN TOTAL AMMONIA	
D	M	Y		MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N
13	05	80	1200	0426	.086	.077		.026	.03L	.019	.56L	.006	.56L	.16	.51L	.02	.10L	L.1	
27	05	80	1125	0426	3.4	3.1		.004	.13L			L.003	.66L	.43	.61L	.20	.19L	.1	
27	05	80	1130	0426	3.6			.003	.03L	L.003	.56L	L.003	.56L	.40	.51L	.22	.10L	.2	
10	06	80	1130	0426	.076	.076		.011	.03L	.006	.56L	L.003	.56L	.18	.61L	.06	.10L	L.1	
24	06	80	1130	0426	.060	L.003		.011		.003		L.003		.12		.05		L.1	
08	07	80	1230	0426	.070	.067		.052		.046		.040		.13		L.01		L.1	
22	07	80	1145	0426	.098	.088		.074		.063		.052		.21		L.01		L.1	
06	08	80	1145	0426	.070	.062		.043		.037		.037		.19		L.01		L.1	
19	08	80	1030	0426	.18	.15		.14		.13		.12		.19		L.01		L.1	
03	09	80	1100	0426	.14	.12		.12		.11		.11		.15		L.01		L.1	
16	09	80	1045	0426	.13	.12		.098		.095		.093		.26		.01		L.1	
30	09	80	1430	0426	.076	.056		.048		.040		.021		.28		.01		L.1	
15	10	80	1045	0426	.069	.065		.052		.049		.028		.23		.11		L.1	
15	10	80	1050	0426	.071	.065		.053		.050		.026		.22		.11		L.1	
30	10	80	1130	0426	.057	.046		.020		.015		.012		.18		.06		L.1	
11	11	80	1435	0426	.043	.024		.019		.012		.007		.17		.07		L.1	
25	11	80	1200	0426	.045	.034		.026		.022		.011		.24		.14		L.1	
16	12	80	1420	0426	.19	.16		.069		.054		.022		.33		.14		L.1	
13	01	81	1140	0426	.094	.091		.060		.060		.038		.38		.13		L.1	
03	02	81	1245	0426	.087	.076		.070		.066		.062		.33		.14		L.1	
22	02	81	1600	0426	.12	.11		.035		.023		.010		.38		.16		L.1	
15	03	81	1230	0426	.090	.089		.070		.070		.067		.28		.04		L.1	
02	04	81	1200	0426	.12	.11		.095		.084		.070		.32		.07		L.1	
14	04	81	0300	0426	.12	.096		.094		.078		.068		.25		.03		L.1	
28	04	81	1200	0426	.11	.093		.043		.033		.020		.30		.10		L.1	
12	05	81	1145	0426	.15	.13		.015		.015		.007		.22		.10		L.1	
26	05	81	1400	0426	.46	.41		.009		L.003		L.003		.25		.09		L.1	
16	06	81	1100	0426	.41	.35		.023		.015		.009		.67		.42		L.1	
13	07	81	1155	0426	.022	.013		.004		L.003		L.003		.11		L.01		L.1	
28	07	81	1400	0426	.057	.046		.029		.025		.017		.17		L.01		L.1	
18	08	81	1300	0426	.087	.072		.057		.056		.042		.15		L.01		L.1	
09	09	81	1015	0426	.10	.10		.087		.075		.075		.18		L.01		L.1	
29	09	81	1230	0426	.088	.084		.074		.070		.062		.19		.01		L.1	
20	10	81	1400	0426	.13	.13		.13		.12		.13		.20		.03		L.1	
11	11	81	0800	0426	.096	.085		.071		.071		.052		.18		.05		L.1	
30	11	81	1000	0426	.16	.15		.15		.13		.13		.41		.19		L.1	
14	12	81	1430	0426	.11	.10		.099		.098		.098		.38		.24		L.1	
09	01	82	1430	0426	.24	.24		.23		.22		.22		1.0		.38		L.1	
10	02	82	0900	0426	.36	.33		.31		.31		.30		1.0		.52		L.1	

STATION 00AT05AD2050

[illegible]

STATION 00AT05AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
 OLDMAN RIVER AT HIGHWAY #845,
 BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE			02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	SUBM ID	DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L
15	01	80	0910	0426	0.	1.2	1.	.04 02L	.26 02L	3. 06L
15	01	80	0915	0426	0.	.9	1.1			3. 04L
05	02	80	0840	0426	0.	1.7	2.	.06 02L	.23 02L	2. 06L
05	02	80	0845	0426	0.	1.6	1.1			2. 04L
26	02	80	0810	0426	0.	3.3	9.			1. 04L
26	02	80	0815	0426	0.	2.5	7.	.10 02L	.50 02L	2. 06L
18	03	80	1145	0426	0.	18.0	12.	.24 02L	1.1 02L	4. 06L
18	03	80	1150	0426	0.	24.	14.			4. 04L
01	04	80	0815	0426	0.	61F	16.	.21 02L	1.0 02L	3. 06L
01	04	80	0820	0426	0.	61F	22.			4. 04L
15	04	80	0825	0426	7.	61F	14.	.13 02L	.75 02L	3. 06L
15	04	80	0830	0426	7.	61F	13.			4. 04L
29	04	80	1155	0426	15.	61F	149.	.33	3.1	3. 06F
29	04	80	1200	0426	15.	61F	164.			3. 06L
13	05	80	1155	0426		21.0	59.	.22 02L	1.9 02L	2. 06L
13	05	80	1200	0426		24.0	57.			2. 04L
27	05	80	1125	0426	11.	61F	5198.	1.8 02L	15.8 02L	2. 06L
27	05	80	1130	0426	11.	61F	5985.			2. 04L
10	06	80	1130	0426	19.	61F	105.	.12 02L	.82 02L	2. 04L
24	06	80	1130	0426	18.	61F	35.0	.10	.87	2.
08	07	80	1230	0426		3.8	6.0	.07	.43	2.
22	07	80	1145	0426		4.8	11.	.13	.71	2.
06	08	80	1145	0426	17.0 61F	5.3	7.	.13	.56	3.
19	08	80	1030	0426	17.0 61F	2.2	4.	.12	.63	2.
03	09	80	1100	0426	15. 61F	1.6	5.	.03	.28	2.
16	09	80	1045	0426	12. 61F	3.5	8.	.13	.66	3.
30	09	80	1430	0426	17. 61F	5.4	9.	.06	.52	2.
15	10	80	1045	0426	8. 61F	3.4	2.	.08	.31	2.
15	10	80	1050	0426	8. 61F	2.8	3.			2.
30	10	80	1130	0426	6. 61F	11.	18.	.26	1.2	2.
11	11	80	1435	0426	2. 61F	4.4	8.	.07	.45	2.
25	11	80	1200	0426		4.6	8.	.10	.46	1.
16	12	80	1420	0426		38.	120.	.64	4.3	1.
13	01	81	1140	0426	0. 61F	14.	24.	.07	.52	2.
03	02	81	1245	0426		4.0	7.			2.
22	02	81	1600	0426		50.0	94.	.43	2.1	2.
15	03	81	1230	0426		2.5	4.	.12	.54	2.
02	04	81	1200	0426	7.0 61F	4.5	6.	.14	1.3	3.
14	04	81	0300	0426	8.0 61F	2.2	3.	.13	.40	3.

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOC

STATION 00AT05AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
OLDMAN RIVER AT HIGHWAY #945, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE			SUBH ID	020615S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	N	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	04	81	1200	10.0 61F	46.	101.	94.	25.	1.4	3.						
12	05	81	1145	11.0 61F	87.	265.	248.	.31	2.6	3.						
26	05	81	1400	13.0 61F	300.	1120.	1080.	.69	7.0	4.						
16	06	81	1100	12.0 61F	305.	718.	658.	.84	7.4	6.						
13	07	81	1155	19.0 61F	19.	21.	18.	.08	.37	2.						
28	07	81	1400	21.0 61F	23.	27.	24.	.10	.66	3.						
18	08	81	1300	23. 61F	3.0	4.	3.	.10	.38	2.						
09	09	81	1015	18. 61F	1.9	8.	6.	.08	.47	3.						
29	09	81	1230	10. 61F	3.2	6.	3.	.07	.27	2.						
20	10	81	1400	7.0 61F	6.9	8.	6.	.11	.46	3.						
11	11	81	0800	5. 61F	6.0	9.	8.	.08	.47	4.						
30	11	81	1000	.0 61F	2.0	2.	1.	.05	.25	3.						
14	12	81	1430	.0 61F	1.7	4.0	1.0	.03	.12	2.						
09	01	82	1430	.0 61F	2.0	2.	1.	.08	.36	3.						
10	02	82	0900	.0 61F	3.6	5.	3.	.08	.41	2.						
23	02	82	1400	.0 61F	2.8	2.	1.	.05	.53	3.						
23	03	82	0800	5. 61F	5.5	7.	5.	.10	.49	4.						
23	03	82	1000	5. 61F	5.7	9.	6.	.09	.80	5.						
03	04	82	1120	3.0 61F	8.6	12.	10.	.16	1.2	4.						
27	04	82	1250	11.0 61F	22.	29.	25.	.32								

SAMPLE DATE			SUBH ID	10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE STO2	
D	M	Y	HR	PH	UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
23	05	79	0530	8.1		108.	108.	.0	293.								
23	05	79	0605	8.1		108.	100.	.0	290.								
05	06	79	1130	8.0		101.	101.	.0	270.								
05	06	79	1155	8.0		117.	117.	.0	274.								
19	06	79	0920	8.3		117.	117.	.0	278.								
19	06	79	0940	8.3		117.	117.	.0	278.								
05	07	79	1110	8.5		120.	120.	24.	348.								
05	07	79	1130	8.5		119.	119.	27.	347.								
18	07	79	0920	8.5		128.	128.	6.	423.								

STATION 00AT05AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
OLDMAN RIVER AT HIGHWAY #845, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR	ID	PH UNITS							
18	07	79	0935	0426	8.4			129.		400.		
31	07	79	1400	0426	9.0			88.	.0	357.		
31	07	79	1415	0426	9.0			84.	20.	330.		
18	09	79	1155	0426	8.9			140.	6.0	487.		
18	09	79	1200	0426	8.9			136.	5.4	485.		
02	10	79	1125	0426	8.4			129.	2.4	485.		
02	10	79	1130	0426	8.5			130.	2.3	488.		
18	10	79	0725	0426	8.2			113.	.0	363.		
18	10	79	0730	0426	8.1			112.	.0	364.		
06	11	79	1225	0426	8.2			143.	.0	457.		
06	11	79	1230	0426	8.3			144.	.0	462.		
27	11	79	0755	0426	8.2			148.	.0	518.		
27	11	79	0800	0426	8.2			151.	.0	513.		
18	12	79	0830	0426	7.9			180.	.0	590.		
18	12	79	0835	0426	7.8			181.	.0	586.		
15	01	80	0910	0426	7.8		52. 53L	212.	.0	557.		2.3
15	01	80	0915	0426	7.8		46. 52L	212.	.0	559.		3.1
05	02	80	0840	0426	7.7		42. 53L	180.	0.	541.		2.4
05	02	80	0845	0426	7.7		41. 52L	177.	.0	540.		2.4
26	02	80	0810	0426	7.9		33. 52L	181.	.0	532.		3.5
26	02	80	0815	0426	7.8		33. 53L	181.	.0	533.		3.7
18	03	80	1145	0426	8.0		26. 53L	115.	.0	456.		2.8
18	03	80	1150	0426	7.9		25. 52L	111.	.0	456.		2.8
01	04	80	0815	0426	8.3		13. 53L	120. 01L	.0	326.	3.8	.6
01	04	80	0820	0426	8.2		20. 52L	100. 01L	.0	320.	3.8	.7
15	04	80	0825	0426	8.3		36. 53L	160. 01L	.0	548.	4.8	.3
15	04	80	0830	0426	8.4		37. 52L	160. 01L	5.6	576.	4.9	.5
29	04	80	1155	0426	7.9		23. 53F	120. 01L	0.	318.	2.9	4.5
29	04	80	1200	0426	7.8		23. 53L	120. 01L	0.	325.	1.7	4.5
13	05	80	1155	0426	8.3		23. 53L	114. 01L	0.	290.	1.5	3.0
13	05	80	1200	0426	8.3		24. 52L	115. 01L	0.	293.	1.5	3.0
27	05	80	1125	0426	8.1		23. 53L	117. 01L	0.	349.	1.3	4.2
27	05	80	1130	0426	8.1		23. 52L	115. 01L	0.	344.	1.3	4.3
10	06	80	1130	0426	8.3		22. 52L	111. 01L	.0	275.	1.0	3.6
24	06	80	1130	0426	8.5		22.	106. 01L	.0	283.	1.0	3.9
08	07	80	1230	0426	8.9		27.	127. 01L	5.9	349.	2.9	1.0
22	07	80	1145	0426	8.7		27.	131. 01L	3.0	389.	3.8	.9
06	08	80	1145	0426	8.8		24.	118. 01L	5.6	336.	2.6	.6
19	08	80	1030	0426	8.6		28.	140. 01L	.0	440.	6.4	1.0

STATION 00A05AD050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
 OLDHAN RIVER AT HIGHWAY #845,
 BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CAC03	10151L ALKALINITY PHENOL CAC03	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	H	M	Y									
03	09	80	1100	0426	8.9		28.	137. 01L	5.2	410.	4.8	.6
16	09	80	1045	0426	8.6		30.	134. 01L	3.4	409.	5.2	.8
30	09	80	1430	0426	8.6		29.	126. 01L	1.8	343.	3.2	.8
15	10	80	1045	0426	8.2		32.	142. 01L	.0	414.	3.1	.3
15	10	80	1050	0426	8.3		33.	142. 01L	.0	415.	3.0	.2
30	10	80	1130	0426	8.3			133. 01L	.0	355.	3.8	1.9
11	11	80	1435	0426	8.4		35.	134. 01L	1.0	354.	2.0	1.1
25	11	80	1200	0426	8.3		34.	145. 01L	.0	383.	2.4	1.7
16	12	80	1420	0426	8.0		26.	120. 01L	.0	348.	2.6	2.9
13	01	81	1140	0426	8.3			135. 01L	.0	362.	2.6	3.6
03	02	81	1245	0426	8.2		43.	170. 01L	.0	466.	3.4	2.9
22	02	81	1600	0426	8.1		31.	129. 01L	.0	389.	3.1	3.5
15	03	81	1230	0426	8.6		44.	155. 01L	6.0	442.	4.9	.4
02	04	81	0426	0426	8.3		46.	169. 01L	.0	511.	5.5	.9
14	04	81	1300	0426	8.7		38.	171. 01L	7.0	540.	3.5	.7
28	04	81	1200	0426	8.2		27.	121. 01L	.0	307.	1.8	4.6
12	05	81	1145	0426	8.2		31.	133. 01L	.0	328.	1.6	4.6
26	05	81	1400	0426	8.2		28.	129. 01L	.0	280.	1.0	4.9
16	06	81	1100	0426	8.2		30.	124. 01L	.0	340.	1.6	6.3
13	07	81	1155	0426	8.6		31.	132. 01L	2.7	315.	1.7	2.6
28	07	81	1400	0426	8.6		42.	154. 01L	.5	387.	2.5	3.2
18	08	81	1300	0426	8.9		34.	141. 01L	3.6	375.	4.3	1.1
09	09	81	1015	0426	8.6		34.	147. 01L	1.5	420.	3.8	.1
29	09	81	1230	0426	8.7		25.	150. 01L	3.7	476.	7.7	1.1
20	10	81	1400	0426	8.6		33.	160. 01L	1.4	500.	6.9	.6
11	11	81	0800	0426	8.3		26.	150. 01L	.0	399.	3.9	.3
30	11	81	1000	0426	8.4		47.	195. 01L	.2	536.	10.	.4
14	12	81	1430	0426	8.2		45.	193. 01L	.0	512.	6.2	1.2
09	01	82	1430	0426	7.8		53.	235. 01L	.0	594.	12.	3.8
10	02	82	0900	0426	7.7		47.	185. 01L	.0	483.	7.7	4.0
23	02	82	1400	0426	8.1		38.	150. 01L	.0	424.	4.5	3.2
23	03	82	0800	0426	8.0		39.	155. 01L	.0	437.	5.7	2.4
23	03	82	1000	0426	8.1		39.	155. 01L	.0	446.	5.7	2.4
03	04	82	1120	0426	8.1		36.	155. 01L	.0	452.	5.7	2.2
27	04	82	1250	0426	8.4		33.	150. 01L	.2	397.	4.4	1.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A0T05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04		15256F PHOSPHORUS DISSOLVED ORTHO P04		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	
22	05	79	1615	0426	.23		.13				L.003	.46F	L.003	.66F	.24		.08	.19F	L.1	
22	05	79	1700	0426	.23		.13				L.003		L.003		.23	.51F	.09		L.1	
05	06	79	0840	0426	.46		.29		.012	.13F	.004	.46F	L.003	.66F	.21		.09	.19F	L.1	
05	06	79	0915	0426	.27		.27		.013		.004		.006		.20	.51F	.08		L.1	
19	06	79	0715	0426	.065		.062				.008	.46F		.010	.66F	.17		.07	.19F	L.1
19	06	79	0735	0426	.072		.068						L.003		.16	.51F	.07		L.1	
05	07	79	0830	0426	.023		.012		.004	.13F	L.003	.46F	L.003	.66F	.13		.01	.19F	L.1	
05	07	79	0850	0426	.023		.009		.005		L.003		L.003		.35	.51F	.14		L.1	
18	07	79	0700	0426	.022		.010		.006	.13F	L.003	.46F	L.003	.66F	.17		.02	.19F	L.1	
18	07	79	0715	0426	.022		.010		L.003		L.003		L.003		.15	.51F	.02		L.1	
31	07	79	1105	0426	.020		.011		.013	.13F	.003	.46F	L.003	.66F	.19		L.01	.19F	L.1	
31	07	79	1115	0426	.019		.011		.010		L.003		L.003		.22	.51F	.04		L.1	
18	09	79	0910	0426	.018		.016		.012	.13F	.006	.46F	.003	.66F	.25		.03	.19F	L.1	
18	09	79	0915	0426	.019		.015		.011		.008		.008		.25	.51F	L.01		L.1	
02	10	79	0825	0426	.030		.009		.006	.13F	.004	.46F	.003	.66F	.22		L.01	.19F	L.1	
02	10	79	0830	0426	.018		.013		.009		L.003		L.003		.22	.51F	L.01		L.1	
17	10	79	1600	0426	.055		.039		.024	.13F	.013	.46F	.013		.21		L.01	.19F	L.1	
17	10	79	1630	0426	.052		.038		.018		.014		.013		.20	.51F	L.01		L.1	
06	11	79	0955	0426	.035		.030		.026	.13L	.029	.46L	.021	.66L	.20	.61L	.05	.19L	L.1	
06	11	79	1000	0426	.034		.031		.025	.03L	.024	.56L	.022	.56L	.22	.51L	.05	.10L	L.1	
26	11	79	1525	0426	.044		.044		.030	.13L	.030	.46L	.022	.66L	.41	.61L	.19	.19L	L.1	
26	11	79	1530	0426	.045		.037		.037	.03L	.028	.56L	.022	.56L	.40	.51L	.20	.10L	L.1	
17	12	79	1425	0426	.071		.067		.071	.13L	.061	.46L	.059	.66L	1.0	.61L	.44	.19L	.7	
17	12	79	1430	0426	.074		.065		.067	.03L	.060	.56L	.060	.56L	1.0	.51L	.46	.10L	.4	
14	01	80	1530	0426	.065		.054		.057	.13L	.047	.46L	.047	.66L	1.1	.61L	.72	.19L	.4	
14	01	80	1535	0426	.063		.054		.057	.03L	.048	.56L	.047	.56L	1.2	.51L	.70	.10L	.3	
04	02	80	1610	0426	.093		.086		.088	.13L	.076	.46L	.074	.66L	.80	.61L	.6	.19L	L.1	
04	02	80	1615	0426	.093		.083		.091	.03L	.080	.56L	.079	.56L	.90	.51L	.60	.10L	L.1	
25	02	80	1705	0426	.23		.22		.22	.13L	.21	.46L	.21	.66L	1.1	.61L	.66	.19L	.5	
25	02	80	1710	0426	.23		.22		.22	.03L	.21	.56L	.21	.56L	1.2	.51L	.64	.10L	.4	
18	03	80	0825	0426	.13		.12		.11	.13L	.10	.46L	.090	.66L	.74	.61L	.40	.19L	.2	
18	03	80	0830	0426	.14		.12		.11	.03L	.091	.56L	.089	.56L	.78	.51L	.28	.10L	.2	
31	03	80	1715	0426	.075		.065		.055	.13L	.045	.46L	.035	.66L	.36	.61L	.09	.19L	L.1	
31	03	80	1720	0426	.077		.061		.049	.03L	.045	.56L	.032	.56L	.33	.51L	.09	.10L	L.1	
14	04	80	1710	0426	.11		.085		.079	.13L	.063	.46L	.057	.66L	.27	.61L	.01	.19L	L.1	
14	04	80	1715	0426	.12		.087		.073	.03L	.060	.56L	.060	.56L	.27	.51L	.01	.10L	L.1	
29	04	80	0825	0426	.20		.17		.053	.13F	.045	.46F	.042	.66F	.36		.15	.19F	.2	
29	04	80	0830	0426	.27		.18		.052		.030		.049	.51F	.49		.23		.2	
13	05	80	0905	0426	.11		.11		.014	.13L	.013	.46L	.006	.66L	.21	.61L	.10	.19L	L.1	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AG2095 LAT. 49D 51M 25 LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDHAN RIVER AT THE MOUTH

SAMPLE DATE				15406L PHOSPHORUS TOTAL PHOSPHATE P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
13	05	80	0910	0426	.11	.095	.016	.03L	.009	.009	.009	.006	.006	.30	.06	.10L	.1	.1	.1
27	05	80	0740	0426	.85	1.0	.008	.13F	.008	.008	.008	.003	.003	.31	.17	.19F	.1	.1	.1
27	05	80	0745	0426	.85	.97	.009		.009	.009	.009	.003	.003	.31	.17	.19	.1	.1	.1
20	06	80	0830	0426	.095	.092	.012	.03L	.004	.004	.004	.003	.003	.24	.09	.10L	.1	.1	.1
24	06	80	0915	0426	.069	.003	.010		.003	.003	.003	.003	.003	.14	.07		.1	.1	.1
08	07	80	0830	0426	.021	.015	.010		.004	.004	.004	.004	.004	.13	.01		.1	.1	.1
15	07	80	1325	0426	.022	.013	.009	.03L	.007	.007	.007	.003	.003	.21	.01	.10L	.1	.1	.1
22	07	80	0855	0426	.012	.012	.004		.003	.003	.003	.003	.003	.21	.01		.1	.1	.1
22	07	80	0900	0426	.011	.011	.003		.003	.003	.003	.003	.003	.33	.01		.1	.1	.1
06	08	80	0930	0426	.033	.017	.011		.007	.007	.007	.003	.003	.31	.01		.1	.1	.1
19	08	80	0820	0426	.023	.013	.009		.009	.009	.009	.003	.003	.24	.01		.1	.1	.1
03	09	80	0900	0426	.015	.010	.009		.004	.004	.004	.003	.003	.18	.01		.1	.1	.1
08	09	80	1510	0426	.018	.007	.011	.03L	.004	.004	.004	.003	.003	.24	.01	.10L	.1	.1	.1
16	09	80	0830	0426	.026	.014	.011		.004	.004	.004	.003	.003	.48	.01		.1	.1	.1
30	09	80	0830	0426	.062	.031	.027		.016	.016	.016	.003	.003	.38	.01		.1	.1	.1
15	10	80	0830	0426	.035	.035	.023		.019	.019	.019	.003	.003	.18	.01		.1	.1	.1
30	10	80	0930	0426	.030	.021	.006		.003	.003	.003	.003	.003	.11	.01		.1	.1	.1
11	11	80	1045	0426	.019	.013	.009		.003	.003	.003	.003	.003	.13	.02		.1	.1	.1
25	11	80	0930	0426	.018	.013	.006		.003	.003	.003	.003	.003	.21	.12		.1	.1	.1
13	01	81	0900	0426	.041	.041	.022		.022	.022	.022	.007	.007	.32	.16		.1	.1	.1
03	02	81	1030	0426	.010	.006	.003		.003	.003	.003	.003	.003	.26	.10		.1	.1	.1
22	02	81	1200	0426	.073	.063	.015		.012	.012	.012	.004	.004	.27	.13		.1	.1	.1
15	03	81	1020	0426	.070	.059	.040		.035	.035	.035	.028	.028	.23	.01		.1	.1	.1
02	04	81	0930	0426	.095	.088	.049		.040	.040	.040	.028	.028	.23	.01		.1	.1	.1
14	04	81	1015	0426	.11	.089	.067		.055	.055	.055	.045	.045	.23	.01		.1	.1	.1
28	04	81	0830	0426	.14	.12	.037		.021	.021	.021	.020	.020	.16	.01		.1	.1	.1
12	05	81	0830	0426	.27	.23	.012		.010	.010	.010	.003	.003	.12	.19		.1	.1	.1
26	05	81	0930	0426	.35	.33	.013		.003	.003	.003	.003	.003	.30	.10		.1	.1	.1
15	06	81	1815	0426	.31	.24	.015		.004	.004	.004	.003	.003	.55	.17		.1	.1	.1
15	06	81	1820	0426	.24	.24	.010		.006	.006	.006	.003	.003	.27	.17		.1	.1	.1
07	07	81	0715	0426	.020	.019	.010		.003	.003	.003	.003	.003	.11	.01		.1	.1	.1
21	07	81	1700	0426	.029	.017	.008		.005	.005	.005	.004	.004	.14	.01		.1	.1	.1
28	07	81	1030	0426	.027	.023	.006		.005	.005	.005	.003	.003	.15	.01		.1	.1	.1
18	08	81	1030	0426	.019	.015	.008		.003	.003	.003	.003	.003	.19	.01		.1	.1	.1
01	09	81	0645	0426	.026	.008	.012		.007	.007	.007	.003	.003	.25	.01		.1	.1	.1
09	09	81	0800	0426	.024	.015	.010		.003	.003	.003	.003	.003	.22	.01		.1	.1	.1
29	09	81	1010	0426	.024	.014	.011		.008	.008	.008	.003	.003	.24	.01		.1	.1	.1
20	10	81	1210	0426	.054	.045	.025		.024	.024	.024	.015	.015	.20	.01		.1	.1	.1
10	11	81	1530	0426	.040	.027	.025		.007	.007	.007	.003	.003	.14	.01		.1	.1	.1

STATION 00AT05AG2095 LAT. 490 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE			SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
MST			ID		PHOSPHORUS TOTAL PHOSPHATE P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. PO4 P	PHOSPHORUS DISSOLVED ORTHO PO4 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
D	M	Y	HR		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
30	11	81	1245		.021	.010	.010	.004	.003	.25	.06	L.1
14	12	81	1600		.038	.035	.033	.011	.028	.49	.34	L.1
09	01	82	1400		.050	.033	.019	.007	.007	.75	.39	L.1
09	02	82	1400		.32	.30	.29	.29	.28	1.1	.74	.2
23	02	82	1140		.20	.19	.19	.18	.17	.79	.62	.2
22	03	82	1630		.10	.087	.086	.079	.071	.47	.28	.1
03	04	82	1340		.090	.061	.049	.026	.004	.32	L.01	L.1
27	04	82	1100		.13	.11	.025	.021	.020	.25	L.01	L.1

SAMPLE DATE			SUBM		02061S	02073L	10401L	10501L	07902F	06902F	06104F
MST			ID		TEMPERATURE OF WATER	TURBIDITY	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL.	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C
D	M	Y	HR		DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	MG/L
22	05	79	1615		16.	130.	298.	278.	.58		
22	05	79	1700		16.	125.	294.	266.	.53		
05	06	79	0840		16.	125.	623.	587.	1.1		
05	06	79	0915		16.	125.	439.	408.	1.2		
19	06	79	0715		16.5	59.	75.	73.	.07		
19	06	79	0735		16.5	56.	73.	70.	.08		
05	07	79	0830		19.5		12.	9.	.09		
05	07	79	0850		19.5		12.	9.			
18	07	79	0700		21.	4.4	6.	5.	.05		
18	07	79	0715		21.	5.3	4.	3.			
31	07	79	1105		23.5	2.4	L1.	L1.	.04		
31	07	79	1115		23.5	2.2	4.6	L1.			
18	09	79	0910		14.	2.5	L1.	L1.	.09		
18	09	79	0915			2.8	3.	L1.			
02	10	79	0825		10.	2.8	2.	L1.	.12		
02	10	79	0830		10.	3.1	5.	3.			
17	10	79	1600		10.	5.9	6.	1.	.33		
17	10	79	1630		10.	5.8	10.	8.			
06	11	79	0955		0.	4.3	4.	3.	.07 02L		
06	11	79	1000		0.	2.1	4.	3.			
26	11	79	1525		0.	1.5	2.	L1.	.10 02L		

STATION 00AT05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE				SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE		06104F CARBON DISSOLVED ORGANIC	
D	M	Y	HR		DEG.C.	JTU	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
26	11	79	1530	0426	0.	1.8	L1.	L1.	L1.	L1.	L1.	L1.	.06	02L	.25	02L	3.	06L
17	12	79	1425	0426	2.	.8	L1.	L1.	2.	2.	L1.	L1.	.05	02L	.25	02L	3.	04L
17	12	79	1430	0426	2.	.7	2.	2.	2.	2.	L1.	L1.	.04	02L	.19	02L	2.	06L
14	01	80	1530	0426	0.	.7	2.	2.	2.	2.	L1.	L1.	.04	02L	.19	02L	2.	06L
14	01	80	1535	0426	0.	.7	L1.	L1.	L1.	L1.	L1.	L1.	.04	02L	.19	02L	2.	06L
04	02	80	1610	0426	0.	.7	L1.	L1.	L1.	L1.	L1.	L1.	.04	02L	.19	02L	2.	06L
04	02	80	1615	0426	0.	.6	L1.	L1.	L1.	L1.	L1.	L1.	.04	02L	.19	02L	2.	06L
25	02	80	1705	0426	.5	1.3	L1.	L1.	L1.	L1.	L1.	L1.	.04	02L	.19	02L	2.	06L
25	02	80	1710	0426	.5	1.4	L1.	L1.	L1.	L1.	L1.	L1.	.04	02L	.19	02L	2.	06L
18	03	80	0825	0426	0.	5.5	3.	3.	3.	3.	1.	1.	.09	02L	.41	02L	3.	06L
18	03	80	0830	0426	0.	4.4	3.	3.	3.	3.	1.	1.	.09	02L	.37	02L	3.	04L
31	03	80	1715	0426	0.	6.1	4.	4.	4.	4.	4.	4.	.09	02L	.37	02L	3.	06L
31	03	80	1720	0426	0.	6.6	4.	4.	4.	4.	4.	4.	.14	02L	.87	02L	4.	04L
14	04	80	1710	0426	7.	1.3	3.	3.	3.	3.	2.	2.	.14	02L	.87	02L	3.	06L
14	04	80	1715	0426	7.	1.2	4.	4.	4.	4.	4.	4.	.14	02L	.87	02L	3.	04L
29	04	80	0825	0426	16.	32.0	103.	103.	103.	103.	92.	92.	.50		3.8		3.	06F
29	04	80	0830	0426	16.	27.0	119.	119.	119.	119.	104.	104.	.50		3.8		4.	04L
13	05	80	0905	0426	16.	35.0	108.	108.	108.	108.	95.	95.	.50		8.7		2.	06L
13	05	80	0910	0426	13.	46.0	103.	103.	103.	103.	928.	928.	.91		8.7		2.	04L
27	05	80	0740	0426	13.	460.	989.	989.	989.	989.	928.	928.	.91		8.7		2.	06F
27	05	80	0745	0426	13.	440.	1022.	1022.	1022.	1022.	966.	966.	.18	02L	.95	02L	2.	04L
10	06	80	0830	0426	17.	49.0	122.	122.	122.	122.	111.	111.	.16	02L	.95	02L	2.	04L
24	06	80	0915	0426	17.	30.	71.0	71.0	71.0	71.0	63.0	63.0	.16		1.3		2.	04L
08	07	80	0830	0426	17.	4.5	6.0	6.0	6.0	6.0	5.0	5.0	.06		.44		2.	04L
15	07	80	1325	0426	20.5	3.4	3.	3.	3.	3.	2.	2.	.07	02L	.34	02L	2.	04L
22	07	80	0855	0426	24.0	3.8	7.	7.	7.	7.	6.	6.	.13		.53		3.	04L
22	07	80	0900	0426	24.0	2.3	4.	4.	4.	4.	3.	3.	.14		.58		3.	04L
06	08	80	0930	0426	16.0	7.5	7.	7.	7.	7.	6.	6.	.14		.58		4.	04L
19	08	80	0820	0426	17.0	3.1	4.	4.	4.	4.	3.	3.	.08		.48		3.	04L
03	09	80	0900	0426	14.	3.4	4.	4.	4.	4.	2.	2.	.05		.33		3.	04L
08	09	80	1510	0426	18.2	4.5	2.	2.	2.	2.	11.	11.	.06	02L	.36	02L	2.	04L
16	09	80	0830	0426	11.5	4.5	6.	6.	6.	6.	5.	5.	.12		.63		3.	04L
30	09	80	0830	0426	17.	6.8	11.	11.	11.	11.	6.	6.	.15		.91		3.	04L
15	10	80	0830	0426	9.	4.6	4.	4.	4.	4.	6.	6.	.11		.39		2.	04L
30	10	80	0930	0426	5.	10.	19.	19.	19.	19.	16.	16.	.20		.94		2.	04L
08	09	80	1510	0426	18.2	5.2	2.	2.	2.	2.	11.	11.	.06	02L	.36	02L	2.	04L
16	09	80	0830	0426	11.5	4.5	6.	6.	6.	6.	5.	5.	.12		.63		3.	04L
30	09	80	0830	0426	17.	6.8	11.	11.	11.	11.	6.	6.	.15		.91		3.	04L
15	10	80	0830	0426	9.	4.6	4.	4.	4.	4.	6.	6.	.11		.39		2.	04L
30	10	80	0930	0426	5.	10.	19.	19.	19.	19.	16.	16.	.20		.94		2.	04L
11	11	80	1045	0426	0.	5.2	8.	8.	8.	8.	7.	7.	.07		.41		2.	04L
25	11	80	0930	0426	.0	4.5	6.	6.	6.	6.	4.	4.	.10		.46		2.	04L
13	01	81	0900	0426	0.	9.5	14.	14.	14.	14.	12.	12.	.05		.34		2.	04L
03	02	81	1030	0426	0.	3.2	11.	11.	11.	11.	11.	11.	.05		.34		2.	04L

STATION 00AT05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDHAN RIVER AT THE MOUTH

SAMPLE DATE			SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY JTU	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	07902F NITROGEN PARTICUL. N MG/L	06902F CARBON ORGANIC PARTICULATE C MG/L	06104F CARBON DISSOLVED ORGANIC C MG/L
D	M	Y		DEG.C.							
22	02	81	1200	0426		18.0	36.	33.	.29	1.2	1.
15	03	81	1020	0426	4.3	4.3	10.	8.	.17	.80	3.
02	04	81	0930	0426	4.5	4.5	9.	8.	.16	.68	3.
14	04	81	1015	0426	5.1	5.1	9.	7.	.18	.68	3.
28	04	81	0830	0426	36.	36.	115.	101.	.22	1.2	4.
12	05	81	0830	0426		209.	510.	470.	.52	4.4	1.
26	05	81	0930	0426		320.	1236.	1192.	.55	5.0	4.
15	06	81	1815	0426		270.	1334.	1264.	.62	6.4	3.
15	06	81	1820	0426		270.	1308.	1232.	.42	3.0	3.
07	07	81	0715	0426			15.	12.	.06	.25	2.
21	07	81	1700	0426		15.	15.		.08	.55	2.
28	07	81	1030	0426		25.	23.	20.	.11	.66	3.
18	08	81	1030	0426		2.9	4.	2.	.08	.33	3.
01	09	81	0645	0426			5.	3.			3.
09	09	81	0800	0426		1.9	5.	3.	.11	.57	3.
29	09	81	1010	0426		4.8	3.	1.	.10	.41	3.
20	10	81	1210	0426		8.7	10.	8.	.14	.66	3.
10	11	81	1530	0426		6.5	8.	6.	.09	.52	4.
30	11	81	1245	0426		2.4	1.	1.	.04	.11	4.
14	12	81	1600	0426		2.0	4.0	3.0	.04	.20	3.
09	01	82	1400	0426		1.1	1.	11.	.14	.72	5.
09	02	82	1400	0426		1.6	3.	2.	.04	.25	3.
23	02	82	1140	0426		2.8	2.	1.	.07		4.
22	03	82	1630	0426		2.5	1.	11.	.09	.50	4.
03	04	82	1340	0426		3.0	2.	11.	.19	.96	8.
27	04	82	1100	0426		16.	37.	31.	.43	2.3	4.

NAQUADAT DETAILED REPORT
PH DIC ALK COND CL SIO2STATION 00AT05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR	ID	PH UNITS							
22	05	79	1615	0426	8.1			110.	.0	297.		
22	05	79	1700	0426	8.1			110.	.0	299.		
05	06	79	0840	0426	8.1			110.	.0	296.		
05	06	79	0915	0426	8.1			109.	.0	296.		
19	06	79	0715	0426	8.2			117.	.0	298.		
19	06	79	0735	0426	8.2			117.	.0	298.		
05	07	79	0830	0426	8.4			123.		396.		
05	07	79	0850	0426	8.3			124.	.0	396.		
18	07	79	0700	0426	8.4			117.		412.		
18	07	79	0715	0426	8.4			118.		421.		
31	07	79	1105	0426	8.7			109.	6.	429.		
31	07	79	1115	0426	8.7			107.	31.	414.		
18	09	79	0910	0426	8.6			126.	1.5	510.		
18	09	79	0915	0426	8.6			123.	123.	507.		
02	10	79	0825	0426	8.4			120.	3.0	508.		
02	10	79	0830	0426	8.4			121.	2.8	514.		
17	10	79	1600	0426	8.5			117.	1.1	418.		
17	10	79	1630	0426	8.3			117.	.0	422.		
06	11	79	0955	0426	8.2			152.	.0	528.		
06	11	79	1000	0426	8.2			152.	.0	530.		
26	11	79	1525	0426	8.2			151.	.0	571.		
26	11	79	1530	0426	8.3			156.	.0	549.		
17	12	79	1425	0426	8.1			208.	.0	685.		
17	12	79	1430	0426	8.1			209.	.0	684.		
14	01	80	1530	0426	7.8		52. 53L	224.	.0	560.		.2
14	01	80	1535	0426	7.8		47. 52L	220.	.0	561.		.4
04	02	80	1610	0426	7.9			192.	.0	590.		.3
04	02	80	1615	0426	7.9		45. 52L	197.	.0	589.		.2
25	02	80	1705	0426	7.7		35. 53L	195.	.0	577.		1.4
25	02	80	1710	0426	7.8		36. 52L	195.	.0	576.		1.6
18	03	80	0825	0426	7.9		31. 53L	135.	.0	530.		2.5
18	03	80	0930	0426	7.9		31. 52L	132.	.0	529.		2.2
31	03	80	1715	0426	8.6		17. 53L	110. 01L	3.6	353.	4.8	.6
31	03	80	1720	0426	8.6		18. 52L	110. 01L	5.3	353.	4.8	.7
14	04	80	1710	0426	8.7		34. 53L	160. 01L	9.4	572.	6.6	.8
14	04	80	1715	0426	8.7		37. 52L	160. 01L	11.	574.	6.4	.5
29	04	80	0825	0426	7.9		24. 53F	130. 01L	0.	350.	2.5	3.7
29	04	80	0830	0426	7.9		24.	130. 01L	0.	412.	1.5	3.2
13	05	80	0905	0426	7.8		22. 53L	108. 01L	0.	312.	1.3	3.4

STATION 00AT05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
 OLDMAN RIVER AT THE MOUTH

SAMPLE DATE				SUBM ID	PH UNITS	10301L		06152F		10106L		10151L		02041L		17206L		14105L	
D	M	Y	HR			PH	ALKALINITY TOTAL CACO3	CARBON DISSOLVED INORGANIC C	MG/L	MG/L	ALKALINITY PHENOL PTHALEIN CACO3	US/CM	CL MG/L	SI02 MG/L	REACTIVE SILICA				
13	05	80	0910	0426	8.1		23. 52L	115. 01L	0.	297.	1.4	3.8							
27	05	80	0740	0426	8.1		22. 53F	107. 01L	0.	295.	1.6	4.1							
27	05	80	0745	0426	8.1		22.	105. 01L	0.	306.	1.5	4.3							
10	06	80	0830	0426	8.2		22. 52L	118. 01L	.0	286.	.9	3.7							
24	06	80	0915	0426	8.4		22.	108. 01L	.0	282.	1.2	3.2							
08	07	80	0830	0426	8.6		27.	126. 01L	2.8	382.	3.7	1.0							
15	07	80	1325	0426	8.7		26. 52L	124. 01L	6.8	412.	4.9	.7							
22	07	80	0855	0426	8.6		25.	117. 01L	2.5	420.	5.1	.7							
22	07	80	0900	0426	8.5		25.	117. 01L	1.5	421.	5.1	.8							
06	08	80	0930	0426	8.6		25.	129. 01L	1.7	478.	10.	.1							
19	08	80	0820	0426	8.6		24.	112. 01L	.0	449.	6.0	.4							
03	09	80	0900	0426	8.6		24.	114. 01L	1.7	427.	7.3	.6							
08	09	80	1510	0426	8.8		24. 52L	115. 01L	8.6	426.	4.3	.2							
16	09	80	0830	0426	8.4		29.	129. 01L	.7	448.	4.8	.5							
30	09	80	0830	0426	8.3		32.	141. 01L	.0	429.	4.2	.2							
15	10	80	0830	0426	8.5		31.	137. 01L	3.5	434.	5.7	.6							
30	10	80	0930	0426	8.4		30.	143. 01L	3.0	415.	3.4	1.5							
11	11	80	1045	0426	8.5		35.	132. 01L	2.0	367.	3.2	.4							
25	11	80	0930	0426	8.3		34.	148. 01L	.0	432.	4.8	.7							
13	01	81	0900	0426	8.2			145. 01L	.0	383.	2.5	3.8							
03	02	81	1030	0426	8.0		43.	167. 01L	.0	494.	4.4	2.2							
22	02	81	1200	0426	8.1		30.	122. 01L	.0	375.	3.3	2.5							
15	03	81	1020	0426	8.3		46.	164. 01L	.0	491.	5.2	.3							
02	04	81	0930	0426	8.2		46.	170. 01L	.0	568.	6.3	.6							
14	04	81	1015	0426	8.5		38.	176. 01L	4.0	544.	7.2	.2							
28	04	81	0830	0426	8.2		34.	152. 01L	.0	399.	2.9	3.8							
12	05	81	0830	0426	8.0		32.	134. 01L	.0	354.	1.9	4.9							
26	05	81	0930	0426	8.2		28.	121. 01L	.0	292.	.9	5.0							
15	06	81	1815	0426	8.2		29.	118. 01L	.0	325.	1.3	4.2							
15	06	81	1820	0426	8.1		25.	118. 01L	.0	332.	1.3	4.4							
07	07	81	0715	0426	8.5		31.	126. 01L	3.6	308.	1.2	2.8							
21	07	81	1700	0426	8.8		33.	140. 01L	3.5	286.	3.4	1.6							
28	07	81	1030	0426	8.5		38.	140. 01L	.2	396.	3.4	2.3							
18	08	81	1030	0426	8.7		29.	124. 01L	2.9	382.	5.0	.6							
01	09	81	0645	0426	8.6		31.	125. 01L	.2	420.	6.6	.6							
09	09	81	0800	0426	8.6		29.	126. 01L	.2	434.	7.0	.2							
29	09	81	1010	0426	8.5		24.	140. 01L	.2	496.	6.5	.6							
20	10	81	1210	0426	8.4		31.	151. 01L	.2	525.	8.4	1.0							
10	11	81	1530	0426	8.5		25.	144. 01L	.2	407.	3.8	.4							

NAQUADAT DETAILED REPORT

PH DIC ALK COND CL SIO2

STATION 00AT05AG2095 LAT. 49D 51M 2S LONG. 111D 41M 48S PR 3 UTM 12 449950E 5522050N
 OLDHAN RIVER AT THE MOUTH

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	02041L SPECIFIC CONDUCT. US/CM	17206L CHLORIDE DISSOLVED CL MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR								
30	11	81	1245	0426	8.4	45.	185. 01L	.2	556.	5.6	.1
14	12	81	1600	0426	8.2	48.	202. 01L	.0	553.	5.9	.6
09	01	82	1400	0426	7.4	61.	269. 01L	.0	702.	12.	1.4
09	02	82	1400	0426	7.5	53.	205. 01L	.0	527.	7.5	4.0
23	02	82	1140	0426	8.0	38.	160. 01L	.0	424.	8.7	2.9
22	03	82	1630	0426	8.0	36.	145. 01L	.0	448.	7.2	1.6
03	04	82	1340	0426	7.6	38.	155. 01L	.0	494.	5.7	1.4
27	04	82	1100	0426	8.4	31.	160. 01L	1.0	482.	5.7	.1

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A105AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE			SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL		15103F PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED		15256F PHOSPHORUS DISSOLVED		07661F NITROGEN DISSOLVED		07110F NITROGEN DISSOLVED		07506L NITROGEN TOTAL	
D	M	Y	HR	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N
15	05	79	1820	0426	.12	.084	.12	.13F	.017	.46F	.013	.66F	.31	.09	.19F	.09	.19F	.1	.1
15	05	79	1855	0426	.14	.113	.022	.13F	.014	.46F	.013	.66F	.28	.05	.19F	.05	.19F	.1	.1
29	05	79	1430	0426	.18	.15	.021	.13F	.01	.46F	.008	.66F	.19	.05	.19F	.05	.19F	.1	.1
29	05	79	1431	0426	.18	.16	.016	.13F	.016	.46F	.006	.66F	.19	.05	.19F	.05	.19F	.1	.1
12	06	79	1420	0426	.15	.11	.048	.13F	.024	.46F	.037	.66F	.45	.30	.19F	.30	.19F	.1	.1
12	06	79	1500	0426	.14	.11	.048	.13F	.036	.46F	.036	.66F	.50	.30	.19F	.30	.19F	.1	.1
26	06	79	1245	0426	.077	.050	.024	.13F	.016	.46F	.010	.66F	.29	.10	.19F	.10	.19F	.1	.1
26	06	79	1300	0426	.061	.020	.024	.13F	.016	.46F	.012	.66F	.29	.11	.19F	.11	.19F	.1	.1
10	07	79	1150	0426	.070	.048	.039	.13F	.036	.46F	.029	.66F	.26	.02	.19F	.02	.19F	.1	.1
10	07	79	1215	0426	.07	.047	.039	.13F	.036	.46F	.031	.66F	.28	.02	.19F	.02	.19F	.1	.1
24	07	79	1225	0426	.023	.011	.023	.13F	.010	.46F	.006	.66F	.28	.03	.19F	.03	.19F	.1	.1
24	07	79	1235	0426	.032	.012	.022	.13F	.014	.46F	.012	.66F	.40	.02	.19F	.02	.19F	.1	.1
06	08	79	1300	0426	.028	.016	.014	.13F	.008	.46F	.003	.66F	.32	.01	.19F	.01	.19F	.1	.1
06	08	79	1305	0426	.025	.011	.017	.13F	.009	.46F	.003	.66F	.28	.01	.19F	.01	.19F	.1	.1
21	08	79	1425	0426	.032	.019	.022	.13F	.008	.46F	.003	.66F	.39	.01	.19F	.01	.19F	.1	.1
21	08	79	1435	0426	.030	.011	.029	.13F	.007	.46F	.003	.66F	.45	.01	.19F	.01	.19F	.1	.1
25	09	79	0740	0426	.023	.007	.016	.13F	.006	.46F	.003	.66F	.25	.01	.19F	.01	.19F	.1	.1
25	09	79	0745	0426	.021	.008	.010	.13F	.003	.46F	.003	.66F	.25	.01	.19F	.01	.19F	.1	.1
10	10	79	0655	0426	.036	.021	.020	.13F	.006	.46F	.003	.66F	.27	.01	.19F	.01	.19F	.1	.1
10	10	79	0700	0426	.035	.019	.015	.13F	.007	.46F	.003	.66F	.31	.01	.19F	.01	.19F	.1	.1
30	10	79	0755	0426	.015	.009	.011	.13F	.005	.46F	.003	.66F	.62	.36	.19F	.36	.19F	.1	.1
30	10	79	0800	0426	.014	.006	.010	.13F	.005	.46F	.003	.66F	.66	.39	.19F	.39	.19F	.1	.1
19	11	79	1525	0426	.092	.084	.065	.13L	.054	.46L	.052	.66L	1.5	1.3	.19L	1.3	.19L	.1	.1
19	11	79	1530	0426	.11	.083	.066	.13L	.055	.46L	.052	.66L	1.7	1.3	.19L	1.3	.19L	.1	.1
10	12	79	1540	0426	.18	.17	.15	.13L	.15	.46L	.15	.66L	3.1	1.7	.19L	1.7	.19L	.1	.1
10	12	79	1545	0426	.19	.16	.16	.13L	.14	.46L	.14	.56L	3.0	1.65	.19L	1.65	.19L	.1	.1
08	01	80	1415	0426	.15	.14	.13	.13L	.13	.46L	.12	.66L	1.8	1.4	.19L	1.4	.19L	.4	.4
08	01	80	1420	0426	.15	.13	.14	.13L	.13	.46L	.12	.56L	1.8	1.4	.19L	1.4	.19L	.4	.4
29	01	80	1340	0426	.17	.16	.15	.13L	.14	.46L	.14	.66L	1.6	1.4	.19L	1.4	.19L	.5	.5
29	01	80	1345	0426	.17	.15	.15	.13L	.15	.46L	.14	.56L	1.6	1.4	.19L	1.4	.19L	.5	.5
19	02	80	1315	0426	.14	.11	.12	.13L	.11	.46L	.11	.66L	1.5	1.3	.19L	1.3	.19L	.2	.2
19	02	80	1320	0426	.14	.13	.12	.13L	.12	.46L	.11	.56L	1.5	1.3	.19L	1.3	.19L	.2	.2
11	03	80	1325	0426	.22	.21	.17	.13L	.17	.46L	.16	.66L	1.6	1.1	.19L	1.1	.19L	.5	.5
11	03	80	1330	0426	.22	.21	.19	.13L	.18	.46L	.18	.56L	1.9	1.4	.19L	1.4	.19L	.5	.5
25	03	80	1135	0426	.16	.15	.16	.13L	.15	.46L	.15	.66L	1.6	1.1	.19L	1.1	.19L	.5	.5
25	03	80	1140	0426	.16	.16	.16	.13L	.15	.46L	.15	.56L	1.6	1.1	.19L	1.1	.19L	.3	.3
09	04	80	1345	0426	.37	.33	.043	.13L	.033	.46L	.033	.46L	1.6	1.6	.19L	.70	.19L	.6	.6
09	04	80	1350	0426	.39	.28	.045	.13L	.029	.46L	.028	.56L	1.3	1.4	.19L	.74	.19L	.6	.6
22	04	80	1525	0426	.36	.31	.098	.13F	.087	.46F	.075	.66F	1.3	1.4	.19F	1.4	.19F	.6	.6

NAQUADAT DETAILED REPORT
 PHOSPHORUS AND NITROGEN FORMS

 STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
 SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID		PHOSPHORUS TOTAL	PHOSPHORUS INORGANIC	PHOSPHORUS DISSOLVED	PHOSPHORUS INORG. PO4	PHOSPHORUS ORTHOPHOSPHATE	NITROGEN DISSOLVED	NITROGEN DISSOLVED NO3 & NO2	NITROGEN TOTAL AMMONIA
						MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	04	80	1530	0426		.36	.32	.10	.081	.064	1.9	1.1	.5
06	05	80	1320	0426		.15	.036	.15	.033	.033	.32	.16	1.1
06	05	80	1325	0426		.15	.044	.12	.023	.030	.30	.16	1.1
22	05	80	1110	0426		.072		.026	.012	.005	.04	.04	1.1
22	05	80	1115	0426		.073		.028	.010	.008	.27	.01	1.1
04	06	80	1100	0426		.25	.21	.032	.021	.027	.53	.36	.1
18	06	80	0755	0426		.17	.13	.037	.037	.030	.66	.58	1.1
18	06	80	0800	0426		.18	.16	.035	.030	.025	.50	.40	1.1
02	07	80	1545	0426		.057	L.003	.018	L.003	L.003	.29	.18	.1
16	07	80	0635	0426		.019	.010	.009	.005	L.003	.25	L.01	1.1
16	07	80	0820	0426		.019	.013	.009	.005	L.003	.26	L.01	1.1
30	07	80	0830	0426		.018	.009	.015	L.003	L.003	.35	L.01	1.1
13	08	80	0730	0426		.030	.007	.012	L.003	L.003	.21	L.01	1.1
26	08	80	1630	0426		.028	.016	.007	L.003	L.003	.21	L.01	1.1
09	09	80	0830	0426		.021	.011	.011	.003	L.003	.27	L.01	1.1
09	09	80	1510	0426		.020	.009	.012	.004	L.003	.27	L.01	1.1
23	09	80	1410	0426		.020	.014	.007	L.003	L.003	.23	L.01	1.1
07	10	80	1410	0426		.019	.012	.007	L.003	L.003	.25	L.01	1.1
22	10	80	0810	0426		.16	.14	.048	.018	.016	1.2	.94	1.1
05	11	80	0930	0426		.13	.12	.072	.056	.055	.95	.90	1.1
19	11	80	0820	0426		.12	.11	.087	.081	.078	1.1	.98	1.1
10	12	80	0900	0426		.15	.14	.13	.13	.12	1.1	1.1	.9
07	01	81	0800	0426		.13	.12	.11	.10	.10	1.1	.70	.4
28	01	81	0900	0426		.15	.15	.15	.096	.080	1.2	.90	.5
17	02	81	1600	0426		.16	.14	.13	.12	.090		.90	.5
10	03	81	1500	0426		.15	.15	.11	.11	.11	1.1	1.0	1.1
22	03	81	0830	0426		.12	.11	.08	.07	.07	1.0	.80	.2
07	04	81	1700	0426		.16	.16	.11	.11	.10	1.2	.90	.3
22	04	81	1415	0426		.13	.090	.083	.068	.065	.72	.46	1.1
05	05	81	1345	0426		.14	.089	.062	.050	.045	.20	.01	1.1
20	05	81	1445	0426		.13	.13	.026	.022	.019	.80	.44	.2
15	06	81	1630	0426		.15	.13	.033	.024	.019	.57	.46	1.1
08	07	81	0710	0426		.017	.011	.003	L.003	L.003	.13	L.01	1.1
27	07	81	1530	0426		.057	.049	.019	.014	.009	.42	.30	1.1
02	09	81	0725	0426		.025	.024	.013	.009	L.003	.22	.05	1.1
08	09	81	1530	0426		.021	.012	.010	L.003	L.003	.19	L.01	1.1
20	10	81	1100	0426		.035	.023	.009	.003	L.003	.23	L.01	1.1
20	10	81	1105	0426		.037	.023	.008	L.003	L.003	.23	.01	1.1
30	11	81	1400	0426		.10	.091	.084	.079	.079	1.6	1.5	.2

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM		15406L	15301L	15103F	15356F	15256F	07661F	07110F	07506L
D	M	Y	HR	ID		PHOSPHORUS TOTAL PHOSPHATE P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. PO4 P	PHOSPHORUS DISSOLVED ORTHO PO4 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
09	01	82	1300	0426		.19	.18	.18	.17	.17	2.1	1.7	.8
23	02	82	1100	0426		.20	.20	.17	.17	.17	1.7	1.4	.5
03	04	82	1445	0426		.24	.21	.19	.18	.16	1.5	1.0	.2
SAMPLE DATE				SUBM		02061S	02073L	10401L	10501L	07902F	06902F	06104F	
D	M	Y	HR	ID		TEMPERATURE OF WATER	TURBIDITY	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL.	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C	
15	05	79	1820	0426		17.	66.	128.	112.	.27			
15	05	79	1855	0426		17.	73.	38.	31.	.13			
29	05	79	1430	0426		16.	76.	151.	140.	.46			
29	05	79	1431	0426		16.	79.	208.	191.	.43			
12	06	79	1420	0426		21.5	49.	55.	48.	.22			
12	06	79	1500	0426		21.5	43.	47.	34.	.18			
26	06	79	1245	0426		23.	7.7	16.	9.	.96			
26	06	79	1300	0426		23.	12.	13.	6.	.04			
10	07	79	1150	0426		23.5	3.7	4.	2.				
10	07	79	1215	0426		23.5	4.0	1.	11.				
24	07	79	1225	0426		17.		3.	2.	.03			
24	07	79	1235	0426		17.		1.	1.				
06	08	79	1300	0426		24.5	1.3	2.	11.	.10			
06	08	79	1305	0426		24.5	1.2	11.	11.				
21	08	79	1425	0426		24.5	1.5	1.6	1.	.07			
21	08	79	1435	0426		24.5		2.	1.				
25	09	79	0740	0426		12.	1.1	4.	2.	.09			
25	09	79	0745	0426		12.	2.3	4.	3.				
10	10	79	0655	0426		10.	4.0	12.	6.	.17			
10	10	79	0700	0426		10.	4.4	12.	9.				
30	10	79	0755	0426		3.	5.0	2.	2.	.11			
30	10	79	0800	0426		3.	3.1	11.	11.				
19	11	79	1525	0426		2.	3.7	11.	7.	.09 02L			
19	11	79	1530	0426		2.	2.8	11.	4.				
10	12	79	1540	0426		0.	2.1	5.	4.	.06 02L			
10	12	79	1545	0426		0.	2.8	4.	3.				

STATION 00AT05AK2070
SOUTH SASKATCHEWAN RIVER

SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE	06104F CARBON DISSOLVED ORGANIC
D	M	Y	HST	DEG.C.	JTU	MG/L	MG/L	MG/L	N	C	C
ID	SUBM										
08 01 80	1415	0426		1.	2.5	1.	L1.	L1.	.05 02L	.26 02L	2. 06L
08 01 80	1420	0426		1.	2.5	L1.	L1.	L1.			4. 04L
02 29 01 80	1340	0426		0.	2.5	3.	3.	3.	.05 02L	.26 02L	1. 06L
29 01 80	1345	0426		0.	4.6	2.	L1.	L1.			1. 04L
19 02 80	1315	0426		0.	1.8	4.	3.	3.	.10 02L	.55 02L	2. 06L
19 02 80	1320	0426		0.	1.6	4.	3.	3.			1. 06L
11 03 80	1325	0426		0.	8.5	18.	15.	15.	.09 02L	.74 02L	2. 06L
11 03 80	1330	0426		0.	6.8	15.	12.	12.			2. 04L
25 03 80	1135	0426		0.	12.	20.	18.	18.	.21 02L	1.0 02L	3. 06L
25 03 80	1140	0426		0.	7.6	12.	10.	10.			2. 04L
09 04 80	1345	0426		0. 61F	72.	231.	209.	209.	1.3 02L	9.4 02L	4. 06L
09 04 80	1350	0426		0. 61F	64.	201.	184.	184.			4. 04L
22 04 80	1525	0426		13. 61F	3.3	168.	152.	152.	.72	5.4	4. 06F
22 04 80	1530	0426		13. 61F	3.1	151.	138.	138.	.28	1.6	5. 06F
06 05 80	1320	0426			23.0	55.	46.	46.			2. 06F
06 05 80	1325	0426			20.0	63.	57.	57.	.18	.88	2. 06F
22 05 80	1110	0426			12.	28.	26.	26.			3. 06F
22 05 80	1115	0426			12.	31.	29.	29.			3. 04L
04 06 80	1100	0426		13. 61F	62.0	224.	206.	206.	.29 02L	1.7 02L	3. 04L
18 06 80	0755	0426		19. 61F	44.	106.	98.	98.	.45	4.1	2. 06F
18 06 80	0800	0426			45.	120.	111.	111.			4. 06F
02 07 80	1545	0426		23. 61F	7.7	17.0	16.0	16.0	.16	.97	2. 06F
16 07 80	0835	0426		17.2 61F		3.	2.	2.	.04 02L	.13 02L	4. 04L
16 07 80	0820	0426			1.5	3.	2.	2.	.05	.29	3. 06F
30 07 80	0830	0426		19.0 61F	4.3	3.	2.	2.	.05	.27	3. 06F
13 08 80	0730	0426		17.0 61F	5.4	3.	2.	2.	.58	.86	4. 06F
26 08 80	1630	0426		20. 61F	6.0	9.	6.	6.	.14	.59	2. 06F
09 09 80	0830	0426		13.8 61F		5.	4.	4.	.07 02L	.36 02L	3. 04L
09 09 80	1510	0426		22. 61F	5.8	8.	6.	6.	.12	.47	3. 04L
23 09 80	1410	0426		15. 61F	4.8	6.	5.	5.	.11	.40	3. 04L
07 10 80	1410	0426		18. 61F	4.9	6.	5.	5.	.09	.47	3. 04L
22 10 80	0810	0426		5. 61F	46.	88.	80.	80.	.37	2.2	2. 06F
05 11 80	0930	0426		0. 61F	12.	30.	26.	26.	.18	1.3	2. 06F
19 11 80	0820	0426			8.6	12.	10.	10.	.14	.68	1. 06F
10 12 80	0900	0426		0. 61F	2.8	1.	11.	11.	.05	.28	2. 06F
07 01 81	0800	0426		0. 61F	5.5	8.	6.	6.	.08	.32	2. 06F
28 01 81	0900	0426			3.5	5.	3.	3.	.05	.18	2. 06F
17 02 81	1600	0426			6.5	13.	11.	11.	.08	.50	3. 06F
03 81	1500	0426			13.	30.	27.	27.	.13	1.0	2. 06F

PARTICULATES TEMP DOC

STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM		020615		020731		10401L		10501L		07902F		06902F		06104F	
MST				ID		TEMPERATURE		TURBIDITY		RESIDUE		RESIDUE		NITROGEN		CARBON		CARBON	
D M Y				HR		DEG.C.		JTU		NONFILTR.		FIXED		PARTICUL.		ORGANIC		DISSOLVED	
D M Y				HR		DEG.C.		JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
22	03	81	0830	0426				8.0		17.		15.		.13		.98		2.	
07	04	81	1700	0426		8.0	61F	20.0		37.		34.		.26		1.5		2.	
22	04	81	1415	0426		13.0	61F	4.0		8.		5.		.16		.64		2.	
05	05	81	1345	0426		14.0	61F	18.0		29.		24.		.14		1.4		3.	
20	05	81	1445	0426		19.0	61F	70.		190.		175.		.35		3.0		4.	
15	06	81	1630	0426		14.0	61F	73.		267.		254.		.30		2.4		3.	
08	07	81	0710	0426		16.0	61F			80.		71.		.12		1.1		3.	
27	07	81	1530	0426		20.0	61F	24.		37.		33.		.12		.75		3.	
02	09	81	0725	0426		13.8	61F			11.		6.		.07		.32		2.	
08	09	81	1530	0426		20.	61F	.7		3.		2.						2.	
20	10	81	1100	0426		5.0	61F	4.9		4.		2.		.23		1.2		3.	
20	10	81	1105	0426		5.0	61F	5.2		3.		1.		.23		1.1		3.	
30	11	81	1400	0426		.0	61F	2.5		3.		.0		.05		.25		3.	
09	01	82	1300	0426		.0	61F	.9		11.		11.		.06		.33		3.	
23	02	82	1100	0426		.0	61F	2.7		5.		3.		.08				3.	
03	04	82	1445	0426		3.0	61F	6.4		11.		8.		.16		.83		5.	

SAMPLE DATE				SUBM		10301L		06152F		10106L		10151L		02041L		17206L		14105L	
MST				ID		PH		CARBON		ALKALINITY		ALKALINITY		SPECIFIC		CHLORIDE		SILICA	
D M Y				HR		PH UNITS		DISSOLVED		TOTAL		PHENOL		CONDUCT.		DISSOLVED		REACTIVE	
D M Y				HR		PH UNITS		MG/L		MG/L		MG/L		US/CM		CL		SI02	
15	05	79	1820	0426						143.				410.					
15	05	79	1855	0426						143.				411.					
29	05	79	1430	0426		8.2						.0		327.					
29	05	79	1431	0426		8.2				113.		.0		326.					
12	06	79	1420	0426		8.3				107.		.0		323.					
12	06	79	1500	0426		8.3				107.		.0		322.					
26	06	79	1245	0426		8.5				107.		9.		318.					
26	06	79	1300	0426		8.5				108.		6.		315.					
10	07	79	1150	0426		9.2				76.		38.		285.					
10	07	79	1215	0426		9.2				78.		68.		300.					
24	07	79	1225	0426		9.2				62.		32.		309.					
24	07	79	1235	0426		9.1				63.		.0		304.					

PH DIC ALK COND CL SIO2

STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM ID	PH UNITS	10301L		06152F		10106L		10151L		02041L		17206L		14105L	
D	M	Y	HR			PH	DISSOLVED INORGANIC C	MG/L	ALKALINITY TOTAL CACO3	ALKALINITY PHENOL PTHALEIN CACO3	US/CM	CL MG/L	SIO2 MG/L						
06	08	79	1300	0426	9.4				67.	58.	344.								
06	08	79	1305	0426	9.4				68.	106.	357.								
21	08	79	1425	0426	9.4				77.		309.								
21	08	79	1435	0426	9.4				78.		309.								
25	09	79	0740	0426	8.2				117.	.0	418.								
25	09	79	0745	0426	8.2				117.	.0	421.								
10	10	79	0855	0426	8.2				130.	.0	425.								
10	10	79	0700	0426	8.2				131.	.0	458.								
30	10	79	0755	0426	8.3				136.	.0	466.								
30	10	79	0800	0426	8.4				138.		470.								
19	11	79	1525	0426	8.3				130.	.0	429.								
19	11	79	1530	0426	8.3				130.	.0	421.								
10	12	79	1540	0426	8.2				130.	.0	530.								
10	12	79	1545	0426	8.2				126.	.0	524.								2.2
08	01	80	1415	0426	7.7		42. 53L		169.	.0	524.								
08	01	80	1420	0426	8.0		42. 52L		171.	.0	529.								2.8
29	01	80	1340	0426	7.9		37. 53L		153.	.0	486.								2.7
29	01	80	1345	0426	7.8		36. 52L		155.	.0	480.								2.8
19	02	80	1315	0426	7.9		29. 53L		114.	.0	483.								2.8
19	02	80	1320	0426	8.0		30. 52L		119.	.0	483.								2.0
11	03	80	1325	0426	7.6		25. 53L		144.	.0	465.								4.4
11	03	80	1330	0426	7.6		27. 52L		143.	.0	471.								4.1
25	03	80	1135	0426	7.7		22. 53L		120.	.0	431.								2.8
25	03	80	1140	0426	7.7		23. 52L		110.	.0	419.								2.7
09	04	80	1345	0426	7.8		18. 53L		110. 01L	.0	377.					5.8			3.4
09	04	80	1350	0426	7.7		19. 52L		110. 01L	.0	375.					5.8			3.6
22	04	80	1525	0426	7.6		28. 53F		130. 01L	0.	385.					4.6			5.4
22	04	80	1530	0426	7.6		26.		130. 01L	0.	394.					4.6			5.3
06	05	80	1320	0426	8.7		23. 53F		130. 01L	.0	328.					3.8			1.1
06	05	80	1325	0426	8.7		24.		130. 01L	.0	340.					3.7			.7
22	05	80	1110	0426	8.4		23. 53F		115. 01L	.5	385.					3.7			1.0
22	05	80	1115	0426	8.5		23.		114. 01L	.0	387.					3.8			1.2
04	06	80	1100	0426	8.0		22. 52L		114. 01L	.0	336.					2.4			4.5
18	06	80	0755	0426	7.7		23.		115. 01L	.0	327.					1.9			4.5
18	06	80	0800	0426	8.1		23.		118. 01L	.0	325.					2.0			4.5
02	07	80	1545	0426	8.8		23.		117. 01L	5.4	330.					2.7			3.2
16	07	80	0635	0426	8.4		24. 52L		108. 01L	2.5	381.					4.1			.5
16	07	80	0820	0426	8.4		22.		106. 01L	.2	381.					4.2			.4
30	07	80	0830	0426	8.7		21.		108. 01L	5.4	378.					4.5			.3

PH DIC ALK COND CL SI02

STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR									
13	08	80	0730	0426	8.6		21.	98. 01L	.6	331.	4.0	.4
26	08	80	1630	0426	8.9		19.	92. 01L	3.0	312.	3.9	.6
09	09	80	0830	0426	8.7		19. 52L	97. 01L	2.0	355.	4.9	.3
09	09	80	1510	0426	8.6		18.	95. 01L	5.3	351.	5.0	.5
23	09	80	1410	0426	8.6		29.	126. 01L	2.0	404.	5.5	.4
07	10	80	1410	0426	8.7		25.	111. 01L	4.4	375.	4.9	.7
22	10	80	0810	0426	8.2		31.	135. 01L	.0	406.	4.8	2.1
05	11	80	0930	0426	8.4		36.	138. 01L	1.	412.	6.6	1.0
19	11	80	0820	0426	8.3			141. 01L	.0	417.	5.3	1.2
10	12	80	0900	0426	8.0		42.	180. 01L	.0	538.	8.2	2.2
07	01	81	0800	0426	8.0		28.	145. 01L	.0	424.	5.5	4.5
28	01	81	0900	0426	8.1		36.	140. 01L	.0	420.	6.1	3.7
17	02	81	1600	0426	8.0		34.	139. 01L	.0	427.	5.1	3.4
10	03	81	1500	0426	8.6		38.	128. 01L	3.9	403.	6.0	2.0
22	03	81	0830	0426	8.3		40.	128. 01L	.0	399.	5.3	1.2
07	04	81	1700	0426	8.4		34.	135. 01L	.0	418.	5.8	1.4
22	04	81	1415	0426	9.0		32.	135. 01L	2.8	401.	5.6	.2
05	05	81	1345	0426	9.2		28.	117. 01L	16.5	343.	4.7	.6
20	05	81	1445	0426	8.0		31.	128. 01L	.0	388.	3.7	4.4
15	06	81	1630	0426	8.1		26.	123. 01L	.0	344.	2.5	4.4
08	07	81	0710	0426	8.5		29.	127. 01L	.0	323.	1.4	2.5
27	07	81	1530	0426	8.4		33.	121. 01L	.2	327.	2.5	3.2
02	09	81	0725	0426	8.4		30.	121. 01L	.2	325.	4.1	.6
08	09	81	1530	0426	8.9		24.	102. 01L	1.5	299.	3.6	.2
20	10	81	1100	0426	8.4		29.	139. 01L	.2	464.	6.2	.1
20	10	81	1105	0426	8.4		29.	139. 01L	.2	464.	6.2	1.1
30	11	81	1400	0426	8.3		41.	166. 01L	.0	476.	12.	.6
09	01	82	1300	0426	7.7		46.	210. 01L	.0	542.	9.0	3.8
23	02	82	1100	0426	7.7		36.	145. 01L	.0	418.	6.6	3.9
03	04	82	1445	0426	7.6		32.	130. 01L	.0	413.	11.	4.0

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N

MEDICINE HAT

SOUTH SASKATCHEWAN RIVER ABOVE

SAMPLE DATE				SUBM		15406L		15301L		15103F		15356F		15256F		07661F		07110F		07506L	
D	M	Y	HR	ID		PHOSPHORUS TOTAL P	MG/L	PHOSPHORUS TOTAL P	MG/L	PHOSPHORUS DISSOLVED P	MG/L	PHOSPHORUS DISSOLVED INORG. P04	MG/L	PHOSPHORUS DISSOLVED ORTHO P04	MG/L	NITROGEN DISSOLVED N	MG/L	NITROGEN DISSOLVED NO3 & NO2 N	MG/L	NITROGEN TOTAL AMMONIA N	MG/L
22	05	79	1245	0426			.26		.023	13F		L.003	46F	L.003	66F	.23		.07	19F	L.1	
22	05	79	1300	0426			.20		.016			.005		L.003		.27	51F	.07	19F	L.1	
04	06	79	1155	0426		.18								.005	66F	.30		.17	19F	L.1	
04	06	79	1200	0426		.18			.023			.007		.008		.29	51F	.16		L.1	
18	06	79	1115	0426		.11	.082		.022	13F		.010	46F	L.003	66F	.22		.09	19F	L.1	
18	06	79	1130	0426		.10	.082		.025			.008		L.003		.19	51F	.07		L.1	
04	07	79	1135	0426		.047	.031	0426	.011	13F		L.003	46F	L.003	66F					L.1	
04	07	79	1145	0426		.048	.030		.014			L.003		L.003		.20	51F	.03		L.1	
17	07	79	1530	0426		.024	.007		.010	13F		L.003	46F	L.003	66F	.31		.12	19F	L.1	
17	07	79	1545	0426		.026	.010		.010			L.003		L.003		.21	51F	.02		L.1	
31	07	79	0620	0426		.020	.010		.011	13F		.006	46F	L.003	66F	.42		.08	19F	L.1	
31	07	79	0630	0426		.019	.010		.008			.004		L.003		.25	51F	.18		L.1	
18	09	79	0610	0426		.022	.008		.022	13F		.004	46F	L.003	66F	.28		L.01	19F	L.1	
18	09	79	0615	0426		.027	.009		.008			L.003		L.003		.30	51F	.01		L.1	
01	10	79	1655	0426		.015	.009		.007	13F		L.003	46F	L.003	66F	.20		L.01	19F	L.1	
01	10	79	1700	0426		.016	.009		.006			L.003		L.003		.21	51F	L.01		L.1	
17	10	79	1355	0426		.016	.012		.008	13F		.007	46F	.003	66F	.24		L.01	19F	L.1	
17	10	79	1400	0426		.018	.009		.008			.004		.003		.28	51F	.02		L.1	
06	11	79	0755	0426		.029	.019		.008	13L		.008	46L	.004	66L	1.6	61L	.90	19L	L.1	
06	11	79	0800	0426		.024	.021		.008	03L		.006	56L	.004	56L	1.7	51L	.90	10L	L.1	
26	11	79	1355	0426		.072	.058		.055	13L		.049	46L	.044	66L	1.3	61L	1.1	19L	L.1	
26	11	79	1400	0426		.067	.058		.052	03L		.046	56L	.044	56L	1.2	51L	1.1	10L	L.1	
17	12	79	1255	0426		.11	.096		.11	13L		.093	46L	.092	66L	2.5	61L	1.6	19L	.9	
17	12	79	1300	0426		.11	.11		.11	03L		.092	56L	.092	56L	2.6	51L	1.6	10L	.9	
14	01	80	1355	0426		.12	.11		.12	13L		.10	46L	.10	66L	1.8	61L	1.6	19L	.4	
14	01	80	1400	0426		.12	.11		.11	03L		.10	56L	.10	56L	1.6	51L	1.5	10L	.4	
04	02	80	1430	0426		.11	.10					.084	66L	.084	66L	1.5	61L	1.4	19L	.1	
04	02	80	1435	0426		.12	.10					.084	56L	.084	56L	1.6	51L	1.4	10L	.1	
25	02	80	1440	0426		.17	.17		.16	13L		.16	46L	.15	66L	1.8	61L	1.4	19L	.4	
25	02	80	1445	0426		.17	.17		.16	03L		.16	56L	.16	56L	1.8	51L	1.4	10L	.3	
17	03	80	1555	0426		.17	.16		.14	13L		.13	46L	.12	66L	1.2	61L	1.1	19L	.2	
17	03	80	1600	0426		.17	.16		.14	03L		.13	56L	.13	56L	1.4	51L			.2	
31	03	80	1530	0426		.12	.11		.095	13L		.085	46L	.073	66L	.99	61L	.72	19L	.1	
31	03	80	1535	0426		.12	.10		.085	03L		.072	56L	.068	56L	1.0	51L	.68	10L	.1	
14	04	80	1330	0426		.21	.17		.083	13L		.069	46L	.069	66L	1.2	61L	.56	19L	.5	
14	04	80	1335	0426		.23	.18		.077	03L		.069	56L	.053	56L	1.2	51L	.53	10L	.5	
28	04	80	1810	0426		.21	.16		.057	13F		.041	66F	.041	66F	.53		.30	19F	.3	
28	04	80	1815	0426		.20	.18		.057			.039		.039		.79	51F	.37		.2	
12	05	80	1820	0426		.19	.19		.048	13F		.020	46F	.008	66F	.31		.16	19F	L.1	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

SAMPLE DATE			SUBM		15406L PHOSPHORUS TOTAL PHOSPHATE P	15301L PHOSPHORUS TOTAL INORGANIC P	15103F PHOSPHORUS DISSOLVED P	15356F PHOSPHORUS DISSOLVED INORG. P04 P	15256F PHOSPHORUS DISSOLVED ORTHO P04 P	07661F NITROGEN DISSOLVED N	07110F NITROGEN DISSOLVED NO3 & NO2 N	07506L NITROGEN TOTAL AMMONIA N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
12	05	80	1825	0426	.19	.16	.025	.010	.007	.26	.11	.11
26	05	80	1855	0426	.90	.85	.022	.019	.011	.43	.21	.19F
26	05	80	1900	0426	.90	.85	.016	.016	.005	.35	.18	.11
09	06	80	1600	0426	.19	.16	.025	.011	.003	.54	.28	.11
23	06	80	1815	0426	.14	.012	.022	.003	.003	.40	.30	.11
07	07	80	1900	0426	.030	.019	.005	.005	.005	.14	.01	.11
16	07	80	0745	0426	.007	.007	.003	.003	.003	.20	.01	.11
21	07	80	1730	0426	.011	.008	.003	.003	.003	.23	.01	.11
05	08	80	1830	0426	.032	.021	.008	.005	.003	.23	.01	.11
18	08	80	1630	0426	.024		.008	.003	.003	.26	.01	.11
02	09	80	1630	0426	.015	.011	.007	.003	.003	.18	.01	.11
09	09	80	0930	0426	.012	.007	.006	.003	.003	.25	.01	.11
15	09	80	1600	0426	.015	.007	.006	.003	.003	.26	.01	.11
29	09	80	1700	0426	.053	.031	.011	.003	.003	.25	.01	.11
14	10	80	1630	0426	.031	.023	.007	.003	.003	.20	.01	.11
29	10	80	1700	0426	.072	.065	.045	.037	.035	.72	.64	.11
10	11	80	1300	0426	.073	.059	.032	.021	.021	.54	.46	.11
24	11	80	1600	0426	.072	.061	.051	.035	.025	.83	.74	.11
16	12	80	0830	0426	.079	.075	.068	.056	.044	1.2	.85	.4
16	12	80	0835	0426	.076	.069	.062	.056	.047	1.2		.4
12	01	81	1500	0426	.081	.070	.068	.068	.040	.79	.49	.3
02	02	81	1600	0426	.15	.14	.11	.11	.10	1.1	.80	.3
21	02	81	1630	0426	.092	.092	.088	.072	.062	1.1	.74	.1
14	03	81	1610	0426	.43	.43	.057	.043	.050	.82	.70	.11
01	04	81	1730	0426	.13	.11	.068	.058	.043	.78	.64	.11
13	04	81	1830	0426	.12	.092	.066	.058	.048	.59	.35	.11
27	04	81	1720	0426	.13	.085	.070	.047	.022	.26	.01	.11
11	05	81	1630	0426	.15	.15	.016	.010	.005	.30	.14	.1
25	05	81	1800	0426	.23	.22	.011	.003	.003	.43	.21	.11
08	07	81	0840	0426	.021	.021	.004	.003	.003	.13	.01	.11
12	07	81	1630	0426	.023	.015	.004	.003	.003	.12	.01	.11
17	08	81	1630	0426	.023	.011	.006	.004	.003	.14	.01	.1
02	09	81	0840	0426	.015	.012	.003	.003	.003	.19	.01	.11
28	09	81	1715	0426	.030	.013	.010	.004	.003	.29	.01	.11
10	11	81	1400	0426	.079	.062	.037	.024	.023	1.1	.78	.11
15	12	81	0900	0426	.10	.082	.084	.080	.073	1.6	1.0	.4
15	12	81	0905	0426	.084	.080	.080	.080	.076	1.5	1.0	.5
08	02	82	1700	0426	.24	.21	.21	.18	.18	2.1	1.6	
22	03	82	1430	0426	.19	.17	.16	.16	.16	1.5	1.4	.11

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43H 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

[illegible]

STATION 00AT05AK2080
SOUTH SASKATCHEWAN RIVER ABOVE2M 36S LONG. 110D 43M 20S
MEDICINE HAT

PR 0 UTM 12 51984E 5543261N

SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	SUBM ID	DEG.C.	JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
04	02	80	1435	0426	0.	1.4		2.		11.						2. 04L	
25	02	80	1440	0426	10.	1.4		3.		11.		.03 02L		.21 02L		2. 06L	
25	02	80	1445	0426	10.	2.1		3.		2.						1. 04L	
17	03	80	1555	0426	18.	3.8		5.		3.		.07 02L		.36 02L		3. 06L	
17	03	80	1600	0426	18.	4.4		4.		1.						3. 04L	
31	03	80	1530	0426	0. 61F	6.0		8.		8.		.10 02L		.54 02L		5. 06L	
31	03	80	1535	0426	0. 61F	6.1		8.		8.						4. 04L	
14	04	80	1330	0426	3. 61F	5.7		66.		59.		.43 02L		3.3 02L		4. 06L	
14	04	80	1335	0426	3. 61F	4.6		84.		55.						4. 04L	
28	04	80	1810	0426	17. 61F	6.2		52.		44.		.48		3.2		3. 06F	
28	04	80	1815	0426	17. 61F	20.0		73.		63.						3.	
12	05	80	1820	0426	15. 61F	61.0		183.				.72		4.3		2. 06F	
12	05	80	1825	0426	15. 61F	72.0		202.		187.						2.	
26	05	80	1855	0426	14. 61F	530.		1191.		1118.		1.3		12.2		2. 06F	
26	05	80	1900	0426	14. 61F	510.		1119.		1045.						3.	
09	06	80	1600	0426	13. 61F	74.0		168.		152.		.36 02L		2.4 02L		3. 04L	
23	06	80	1815	0426	19. 61F	38.		89.0		74.0		.23		2.2		2.	
07	07	80	1900	0426		5.4		11.0		10.0		.11		.98		2.	
16	07	80	0745	0426	18.8 61F			6.		5.		.05 02L		.25 02L		3. 04L	
21	07	80	1730	0426	24.0 61F	5.3		5.		3.		.08		.35		3.	
05	08	80	1830	0426	18.0 61F			30.		27.		.12		.95		4.	
18	08	80	1630	0426	17.0 61F	4.5		9.		7.		.11		.68		3.	
02	09	80	1630	0426	20. 61F	5.6		9.		3.		.07		.42		3.	
09	09	80	0930	0426	16.3 61F			5.		4.		.06 02L		.32 02L		3. 04L	
15	09	80	1600	0426	13. 61F	5.3		6.		6.		.05		.37		3.	
29	09	80	1700	0426	15.5 61F	17.		38.		33.		.16		.96		3.	
14	10	80	1630	0426	9. 61F	13.		20.		16.		.16		1.2		3.	
29	10	80	1700	0426	5. 61F	14.		21.		17.		.08		.40		2.	
10	11	80	1300	0426	7. 61F	9.2		19.		16.		.14		.79		2.	
24	11	80	1600	0426	.0 61F	6.0		13.		11.		.09		.52		2.	
16	12	80	0830	0426		3.0		5.		4.		.08		.22		2.	
16	12	80	0835	0426		2.7		5.		5.		.07		.21		2.	
12	01	81	1500	0426	0. 61F	3.3		4.		3.		.02		.16		2.	
02	02	81	1600	0426		15.		23.		21.		.15		.71		2.	
21	02	81	1630	0426		4.2		3.		2.		.07		.23		2.	
14	03	81	1610	0426		190.		313.		285.		1.6		10.4		2.	
01	04	81	1730	0426	8.0 61F	14.0		31.		26.		.22		1.4		2.	
13	04	81	1830	0426	6.0 61F	8.4		15.		13.		.18		.70		2.	
27	04	81	1720	0426	14.0 61F	4.3		11.		8.		.31		1.7		3.	

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE
MEDICINE HAT

SAMPLE DATE				SUBM		02061S TEMPERATURE OF WATER	02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902F NITROGEN PARTICUL.	06902F CARBON ORGANIC PARTICULATE C	06104F CARBON DISSOLVED ORGANIC C
D	M	Y	HR	ID	JTU							
11	05	81	1630	0426	140.	12.0 61F	140.	334.	308.	.26	1.9	0.
25	05	81	1800	0426	330.	14.0 61F	330.	1354.	1320.	.38	3.2	5.
08	07	81	0840	0426		17.5 61F		155.	141.	.16	1.1	3.
12	07	81	1630	0426	22.	21.0 61F	22.	35.	31.	.14	.80	2.
17	08	81	1630	0426	5.8	24. 61F	5.8	15.	13.	.14	.88	2.
02	09	81	0840	0426		15. 61F		2.	11.			3.
28	09	81	1715	0426	4.5	11. 61F	4.5	7.	5.	.20	1.1	3.
10	11	81	1400	0426	16.0		16.0	23.	20.	.20	1.3	3.
15	12	81	0900	0426	1.8	.0 61F	1.8	1.0	11.	.03	.19	3.
15	12	81	0905	0426	2.5	.0 61F	2.5	1.0	11.	.04	.21	3.
08	02	82	1700	0426		.0 61F		4.	3.	.06	.42	2.
22	03	82	1430	0426	8.6	4. 61F	8.6	12.	10.	.13	.84	3.
26	04	82	1530	0426	33.	10.0 61F	33.	79.	72.	.43	3.2	4.

SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHATALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SI02
D	M	Y	HR	ID	PH UNITS							
22	05	79	1245	0426	8.2			113.	.0	320.		
22	05	79	1300	0426	8.2			113.	.0	318.		
04	06	79	1155	0426	8.1			112.	.0	309.		
04	06	79	1200	0426	8.1			112.	.0	309.		
18	06	79	1115	0426	8.2			116.	.0	303.		
18	06	79	1130	0426	8.2			117.	.0	304.		
04	07	79	1135	0426	8.5			112.	20.	372.		
04	07	79	1145	0426	8.5			113.	9.	372.		
17	07	79	1530	0426	8.7			88.		333.		
17	07	79	1545	0426	8.7			88.		337.		
31	07	79	0620	0426	8.7			96.	.0	377.		
31	07	79	0630	0426	8.7			93.	17.	398.		
18	09	79	0610	0426	8.3			114.	.0	437.		
18	09	79	0615	0426	8.5			114.	.2	439.		
01	10	79	1655	0426	8.3			117.	.0	472.		
01	10	79	1700	0426	8.3			118.	.0	470.		

PH DIC ALK COND CL SIO2

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

SAMPLE DATE			SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PRHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	M	Y								
17	10	79	1355	0426		114.	.0	460.		
17	10	79	1400	0426		120.	.0	473.		
06	11	79	0755	0426		136.	.0	488.		
06	11	79	0800	0426		136.	.0	479.		
26	11	79	1355	0426		134.	.0	503.		
26	11	79	1400	0426		137.	.0	507.		
17	12	79	1255	0426		169.	.0	594.		
17	12	79	1300	0426		171.	.0	594.		
14	01	80	1355	0426	41. 53L	169.	.0	535.		2.0
14	01	80	1400	0426	35. 52L	172.	0.	531.		2.0
04	02	80	1430	0426	38. 53L	165.	.0	542.		.6
04	02	80	1435	0426	37. 52L	170.	.0	543.		.6
25	02	80	1440	0426	30. 53L	167.	.0	510.		2.8
25	02	80	1445	0426	32. 52L	168.	.0	511.		2.6
17	03	80	1555	0426	28. 53L	130.	.0	496.		2.8
17	03	80	1600	0426	29. 52L	127.	.0	490.		2.8
31	03	80	1530	0426	17. 53L	110. 01L	4.0	310.	8.	1.2
31	03	80	1535	0426	17. 52L	110. 01L	5.9	308.	8.1	.5
14	04	80	1330	0426	21. 53L	120. 01L	.0	408.	4.8	3.2
14	04	80	1335	0426	25. 52L	120. 01L	.0	405.	4.9	3.2
28	04	80	1810	0426	25. 53F	140. 01L	0.	408.	5.7	3.3
28	04	80	1815	0426	25. 53F	130. 01L	0.	405.	3.9	3.1
12	05	80	1820	0426	23. 53F	125. 01L	0.	319.	2.4	2.6
12	05	80	1825	0426	24.	127. 01L	.0	318.	2.5	1.8
26	05	80	1855	0426	23. 53F	112. 01L	0.	346.	3.7	3.5
26	05	80	1900	0426	23.	105. 01L	0.	341.	3.7	3.5
09	06	80	1600	0426	23. 52L	115. 01L	.0	314.	1.7	4.6
23	06	80	1815	0426	22.	111. 01L	.0	299.	1.7	3.5
07	07	80	1900	0426	23.	109. 01L	4.7	335.	3.1	3.5
16	07	80	0745	0426	24. 52L	112. 01L	.0	381.	4.1	.8
21	07	80	1730	0426	22.	108. 01L	7.4	387.	4.1	.5
05	08	80	1830	0426	22.	107. 01L	5.1	386.	5.1	1.1
18	08	80	1630	0426	20.	101. 01L	.1	351.	5.0	.4
02	09	80	1630	0426	21.	101. 01L	3.0	369.	5.2	.6
09	09	80	0930	0426	22. 52L	106. 01L	2.6	396.	5.7	.4
15	09	80	1600	0426	25.	111. 01L	3.9	405.	6.0	.4
29	09	80	1700	0426	30.	126. 01L	.0	410.	4.8	.7
14	10	80	1630	0426	28.	125. 01L	4.0	389.	4.7	.6
29	10	80	1700	0426		140. 01L	1.4	415.	5.3	2.7

NAQUADAT DETAILED REPORT
 PH DIC ALK COND CL SIO2

 STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E E543261N
 SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED CL	14105L SILICA REACTIVE SIO2
D	M	Y	HR								
10	11	80	1300	0426	8.6	36.	135. 01L	2.1	378.	3.9	.5
24	11	80	1600	0426	8.4	34.	142. 01L	.0	420.	5.1	1.0
16	12	80	0830	0426	8.0	38.	165. 01L	.0	506.	7.9	1.9
16	12	80	0835	0426	8.2	37.	162. 01L	.0	505.	7.8	2.0
12	01	81	1500	0426	8.1		140. 01L	.0	396.	3.8	4.1
02	02	81	1600	0426	7.9	37.	142. 01L	.0	423.	5.2	3.4
21	02	81	1630	0426	8.0	30.	126. 01L	.0	395.	5.4	2.6
14	03	81	1610	0426	8.2	38.	127. 01L	.0	398.	5.4	2.7
01	04	81	1730	0426	8.5	43.	145. 01L	.0	467.	7.0	.7
13	04	81	1830	0426	8.7	33.	145. 01L	7.0	445.	5.0	.1
27	04	81	1720	0426	9.0	30.	132. 01L	14.0	392.	4.7	.4
11	05	81	1630	0426	8.3	27.	117. 01L	.0	342.	3.7	3.4
25	05	81	1800	0426	8.0	28.	118. 01L	.0	319.	1.3	5.7
08	07	81	0840	0426	8.5	29.	122. 01L	.0	318.	2.0	1.4
12	07	81	1630	0426	8.8	29.	124. 01L	6.0	316.	2.4	1.2
17	08	81	1630	0426	8.8	26.	113. 01L	2.0	311.	3.1	1.3
02	09	81	0840	0426	8.5	30.	120. 01L	.3	340.	4.1	.6
28	09	81	1715	0426	8.4	21.	122. 01L	.2	398.	5.3	.6
10	11	81	1400	0426	8.2	25.	146. 01L	.0	417.	5.2	.4
15	12	81	0900	0426	8.2	42.	185. 01L	.0	521.	8.7	1.0
15	12	81	0905	0426	8.2	44.	185. 01L	.0	529.	8.7	.9
08	02	82	1700	0426	7.5	47.	180. 01L	.0	478.	8.7	4.4
22	03	82	1430	0426	7.7	36.	140. 01L	.0	420.	12.	3.2
26	04	82	1530	0426	8.1	26.	120. 01L	.0	353.	5.9	3.3

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AK2085 LAT. 500 3M 43S LONG. 1100 39M 13S PR 3 UTM 12 524800E 5545350N
SOUTH SASKATCHEWAN RIVER - BELOW MEDICINE HAT

SAMPLE DATE				SUBM	15406L PHOSPHOROUS TOTAL PHOSPHATE P	15301L PHOSPHOROUS TOTAL INORGANIC P	15103F PHOSPHOROUS DISSOLVED P	15356F PHOSPHOROUS DISSOLVED INORG. P04 P	15256F PHOSPHOROUS DISSOLVED ORTHO P04 P	07661F NITROGEN DISSOLVED N	07110F NITROGEN DISSOLVED NO3 & NO2 N	07506L NITROGEN TOTAL AMMONIA N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	05	79	1010	0426	.35	.22	.018 13F	.007 46F	L.003 66F	.25	.08 19F	L.1
22	05	79	1050	0426	.34	.20	.019	.008	.006	.27 51F	.08	L.1
04	06	79	1330	0426	.18	.160	.024 13F	.010 46F	.006 66F	.31	.17 19F	L.1
04	06	79	1400	0426	.18	.16	.024	.008	.009	.38 51F	.21	L.1
18	06	79	1310	0426	.086	.077	.021 13F	.017 46F	.008 66F	.19	.06 19F	L.1
18	06	79	1330	0426	.084	.077	.024	.009	.011	.16 51F	.06	L.1
04	07	79	1345	0426	.034	.034	.014 13F	L.003 46F	L.003 66F	.36	.02 19F	L.1
04	07	79	1400	0426	.037	.037	.013	L.003	L.003	.24 51F	.01	L.1
17	07	79	0955	0426	.023	.010	.009 13F	L.003 46F	L.003 66F	.21	.01 19F	L.1
17	07	79	1015	0426	.033	.011	.007	L.003	L.003	.23 51F	.01	L.1
31	07	79	0820	0426	.026	.015	.014 13F	.005 46F	L.003 66F	.26	.03 19F	L.1
31	07	79	0835	0426	.023	.017	.017	.004	L.003	.32 51F	.14	L.1
17	09	79	0525	0426	.025	.011	.015 13F	.005 46F	L.003 66F	.34	.02 19F	L.1
17	09	79	0530	0426	.021	.015	.012	.004	L.003	.30 51F	.02	L.1
01	10	79	1520	0426	.048	.033	.048 13F	.023 46F	.023 66F	.37	.07 19F	.2
01	10	79	1525	0426	.053	.033	.031	.021	.021	.39 51F	.07	.2
17	10	79	1215	0426	.024	.024	.015 13F	.012 46F	L.003 66F	.25	L.01 19F	L.1
17	10	79	1220	0426	.035	.021	.011	.008	.003	.38 51F	.03	L.1
05	11	79	1555	0426	.041	.030	.014 13L	.007 46L	.007 66L	1.7 61L	.90 19L	L.1
05	11	79	1600	0426	.040	.031	.013 03L	.007 56L	.007 56L	1.7 51L	.85 10L	L.1
26	11	79	1255	0426	.075	.060	.071 13L	.055 46L	.048 66L	1.4 61L	1.1 19L	.1
26	11	79	1300	0426	.075	.060	.060 03L	.052 56L	.047 56L	1.3 51L	1.1 10L	L.1
17	12	79	1210	0426	.13	.12	.13 13L	.11 46L	.10 66L	2.9 61L	1.6 19L	1.0
17	12	79	1215	0426	.13	.12	.13 03L	.12 56L	.10 56L	2.7 51L	1.5 10L	1.0
14	01	80	1225	0426	.13	.12	.13 13L	.11 46L	.11 66L	1.8 61L	1.6 19L	.4
14	01	80	1230	0426	.13	.12	.12 03L	.11 56L	.11 56L	2.0 51L	1.5 10L	.4
04	02	80	1355	0426	.13	.12	.12 03L	.11 56L	.10 66L	1.6 61L	1.3 19L	.2
04	02	80	1400	0426	.18	.13	.16 13L	.16 46L	.11 56L	1.6 51L	1.4 10L	.2
25	02	80	1410	0426	.18	.18	.16 03L	.16 56L	.15 66L	1.9 61L	1.4 19L	.5
25	02	80	1415	0426	.18	.18	.16 03L	.16 56L	.16 56L	1.8 51L	1.4 10L	.5
17	03	80	1515	0426	.20	.18	.14 13L	.14 46L	.14 66L	1.4 61L	1.1 19L	.3
17	03	80	1520	0426	.20	.18	.14 03L	.14 56L	.13 56L	1.5 51L	.80 10L	.3

NAQUADAT DETAILED REPORT
 PARTICULATES TEMP DOC

 STATION 00AT05AK2065 LAT. 50D 3M 43S LONG. 110D 39M 13S PR 3 UTM 12 524800E 5545350N
 SOUTH SASKATCHEWAN RIVER - BELOW MEDICINE HAT

SAMPLE DATE				SUBM	02061S		02073L		10401L		10501L		07902F		06902F		06104F	
D	M	Y	HR	ID	TEMPERATURE	OF	TURBIDITY	JTU	RESIDUE	RESIDUE	RESIDUE	FIXED	NITROGEN	PARTICUL.	CARBON	PARTICULATE	CARBON	DISSOLVED
					WATER				NONFILTR.	NONFILTR.	NONFILTR.				C	C	ORGANIC	ORGANIC
					DEG.C.				MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	05	79	1010	0426	14.5		150.		470.		410.		.69					
22	05	79	1050	0426	14.5		150.		446.		406.		.80					
04	06	79	1330	0426	18.		86.		186.		158.		.64					
04	06	79	1400	0426	18.		89.		149.		125.		L.01					
18	06	79	1310	0426	18.		43.		42.		40.		.16					
18	06	79	1330	0426	18.		44.		61.		59.		.16					
04	07	79	1345	0426	20.5				23.		19.		.12					
04	07	79	1400	0426	20.5				24.		19.							
17	07	79	0955	0426	23.5		5.3		3.		3.		.04					
17	07	79	1015	0426	23.5		4.3		2.		L1.							
31	07	79	0820	0426	21.		2.1		1.3		L1.		.04					
31	07	79	0835	0426	21.		2.1		5.6		2.		.11					
17	09	79	0525	0426	18.		2.7		L1.		L1.							
17	09	79	0530	0426			2.4		1.									
01	10	79	1520	0426	12.		2.1		3.		L1.		.10					
01	10	79	1525	0426	12.		2.4		3.		1.							
17	10	79	1215	0426	11.		4.4		8.		8.		.12					
17	10	79	1220	0426	11.		4.4		7.		5.		.14	02L				
05	11	79	1555	0426	1.		4.3		9.		7.							
05	11	79	1600	0426	1.		3.8		9.		7.							
26	11	79	1255	0426	0.		2.3		L1.		L1.		.07	02L				
26	11	79	1300	0426	0.		3.1		L1.		L1.							
17	12	79	1210	0426	1.		.7		1.		L1.		.07	02L				
17	12	79	1215	0426	1.		.8		3.		2.							
14	01	80	1225	0426	0.		1.2		1.		1.		.04	02L	.24	02L	2.	06L
14	01	80	1230	0426	0.		.8		L1.		L1.							
04	02	80	1355	0426	0.		2.6		8.		6.		.08	02L	.45	02L	2.	04L
04	02	80	1400	0426	0.		1.5		8.		6.							
25	02	80	1410	0426	.5		3.2		9.		8.		.12	02L	.74	02L	2.	06L
25	02	80	1415	0426	.5		3.2		8.		7.							
17	03	80	1515	0426	0.		5.4		15.		13.		.14	02L	.91	02L	3.	06L
17	03	80	1520	0426	0.		8.7		13.		8.						3.	04L

PH DIC ALK COND CL SIO2

STATION 00AT05AK2085 LAT. 500 3M 43S LONG. 1100 39M 13S PR 3 UTM 12 524800E 5545350N
SOUTH SASKATCHEWAN RIVER - BELOW MEDICINE HAT

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR			PH		MG/L		MG/L		MG/L		US/CM		CL	MG/L	SIO2	MG/L
22	05	79	1010	0426		8.2				113.		.0		324.					
22	05	79	1050	0426		8.2				113.		.0		324.					
04	06	79	1330	0426		8.1				113.		.0		311.					
04	06	79	1400	0426		8.1				113.		.0		316.					
18	06	79	1310	0426		8.2				117.		.0		307.					
18	06	79	1330	0426		8.3				117.		.0		306.					
04	07	79	1345	0426		8.5				113.		23.		372.					
04	07	79	1400	0426		8.3				113.		.0		377.					
17	07	79	0955	0426		8.7				89.				347.					
17	07	79	1015	0426		8.7				91.				342.					
31	07	79	0820	0426		8.7				98.		9.		378.					
31	07	79	0835	0426		8.7				96.				404.					
17	09	79	0525	0426		8.9				114.		2.1		446.					
17	09	79	0530	0426		8.8				114.		1.1		446.					
01	10	79	1520	0426		8.5				117.		3.4		490.					
01	10	79	1525	0426		8.5				120.		2.9		490.					
17	10	79	1215	0426		8.4				122.		.8		486.					
17	10	79	1220	0426		8.3				124.		.0		495.					
05	11	79	1555	0426		8.3				136.		.0		485.					
05	11	79	1600	0426		8.3				135.		.0		480.					
26	11	79	1255	0426		8.2				134.		.0		517.				1.9	
26	11	79	1300	0426		8.2				138.		.0		457.				1.9	
17	12	79	1210	0426		8.0				174.		.0		594.				.6	
17	12	79	1215	0426		8.0				175.		.0		600.				.7	
14	01	80	1225	0426		7.9		41. 53L		166.		.0		534.				2.9	
14	01	80	1230	0426		8.0		36. 52L		166.		.0		533.				3.8	
04	02	80	1355	0426		7.9		38. 53L		174.		.0		543.				2.8	
04	02	80	1400	0426		7.9		37. 52L		173.		.0		543.				2.7	
25	02	80	1410	0426		7.7		32. 53L		167.		.0		517.				3.8	
25	02	80	1415	0426		7.7		32. 52L		167.		.0		510.					
17	03	80	1515	0426		7.9		28. 53L		126.		.0		492.					
17	03	80	1520	0426		8.0		29. 52L		127.		.0		489.					

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AK2087 LAT. 50D 8M 30S LONG. 110D 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE				SUBM ID	15406L PHOSPHOROUS TOTAL PHOSPHATE P		15301L PHOSPHOROUS TOTAL INORGANIC P		15103F PHOSPHOROUS DISSOLVED P		15356F PHOSPHOROUS DISSOLVED INORG. P		15256F PHOSPHOROUS DISSOLVED ORTHO P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
31	03	80	1415	0426	.16		.14		.099	13L	.084	46L	.077	66L	1.1	61L	.68	19L	.2	
31	03	80	1420	0426	.17		.15		.093	03L	.087	56L	.079	56L	1.0	51L	.68	10L	.2	
14	04	80	1440	0426	.25		.20		.10	13L	.081	46L	.066	66L	1.3	61L	.60	19L	.6	
14	04	80	1445	0426	.26		.20		.12	03L	.072	56L	.064	56L	1.3	51L	.68	10L	.6	
28	04	80	1325	0426	.25		.19		.064	13F	.054	46F	.049	66F	.70		.43	19F	.2	
28	04	80	1330	0426			.19		.063				.040		.95	51F	.48		.2	
12	05	80	1605	0426	.23		.21		.043	13F	.028	46F	.022	66F	.32		.15	19F	.1	
12	05	80	1610	0426	.25		.21		.032		.009		L.003		.55	51F	.17		L.1	
26	05	80	1625	0426	.54		.44		.021	13F	.015	46F	.006	66F	.42		.15	19F	L.1	
26	05	80	1630	0426			.44		.015		.011		L.003		.38	51F	.14		L.1	
09	06	80	1545	0426	.24		.24		.027	03L	.011	56L	L.003	56L	.45	61L	.27	10L	L.1	
23	06	80	1600	0426	.094		.025		.022				.008		.39		.30		L.1	
07	07	80	1500	0426	.042		.011		.005		L.003		L.003		.16		.01		L.1	
21	07	80	1600	0426	.018		.063		.007		.004		L.003		.25		.02		L.1	
05	08	80	1545	0426	.080		.022		.009		.005		L.003		.29		.05		L.1	
18	08	80	1445	0426	.034		.022		.009		.005		L.003		.23		.01		L.1	
02	09	80	1435	0426	.021		.021		.006		.003		L.003		.21		.03		L.1	
02	09	80	1440	0426	.020		.010		.005		L.003		L.003		.20		.03		L.1	
15	09	80	1515	0426	.030		.014		.016		.007		L.003		.04		.04		L.1	
29	09	80	1500	0426	.060		.036		.009		L.003		L.003		.26		.02		L.1	
14	10	80	1500	0426	.026		.015		.007		L.003		L.003		.20		L.01		L.1	
29	10	80	1510	0426	.046		.039		.029		.019		.019		.68		.55		L.1	
10	11	80	1530	0426	.079		.063		.035		.025		.021		.59		.48		L.1	
24	11	80	1450	0426	.083		.072		.051		.022		.021		.98		.78		L.1	
15	12	80	1519	0426	.11		.11		.091		.067		.055		1.5		1.0		.4	
12	01	81	1410	0426	.084		.083		.070		.047		.047		.77		.50		.4	
02	02	81	1500	0426	.12		.12		.12		.11		.12		1.1		.85		.3	
22	02	81	0930	0426	.11		.11		.093		.084		.081		1.0		.74		.2	
14	03	81	1440	0426	.095		.095		.075		.075		.064		1.0		.75		L.1	
01	04	81	1600	0426	.13		.11		.070		.050		.050		.82		.62		L.1	
13	04	81	1700	0426	.11		.097		.063		.059		.040		.64		.37		L.1	
27	04	81	1600	0426	.14		.088		.062		.043		.012		.20		L.01		L.1	
11	05	81	1430	0426	.22		.19		.012		.012		.008		.65		.23		L.1	
25	05	81	1330	0426	.27		.25		.011		L.003		L.003		.48		.25		L.1	
15	06	81	1300	0426	.098		.023		.017		.012		.012		.42		.33		L.1	
27	07	81	1745	0426	.14		.063		.035		.030		.023		.58		.45		L.1	
08	09	81	1300	0426	.020		.015		.010		L.003		L.003		.18		L.01		L.1	
20	10	81	0800	0426	.054		.033		.015		.007		L.003		.31		.05		L.1	
01	12	81	0930	0426	.15		.14		.12		.12		.11		1.6		1.4		.5	

STATION 00AT05AK2087 LAT. 50D 08M 30S LONG. 110D 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE			15406L		15301L		15103F		15356F		15256F		07661F		07110F		07506L	
			PHOSPHORUS TOTAL	PHOSPHATE P	PHOSPHORUS TOTAL	PHOSPHORUS INORGANIC P	PHOSPHORUS DISSOLVED	P	PHOSPHORUS DISSOLVED	INORG. P04 P	PHOSPHORUS DISSOLVED ORTHO P04 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	TOTAL AMMONIA N				
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
09	01	82	1100	0426	.20	.18	.19	.18	.18	.18	2.6	2.0	.9					
22	02	82	1500	0426	.26	.24	.20	.19	.18	.19	1.9	1.4	.7					
03	04	82	1530	0426	.20	.18	.14	.13	.12	1.3	1.0	.2						
03	04	82	1535	0426	.19	.17	.14	.13	.12	1.2	1.1	.2						
SAMPLE DATE			02061S		02073L		10401L		10501L		07902F		06902F		06104F			
			TEMPERATURE OF WATER	DEG.C.	TURBIDITY JTU	RESIDUE NONFILTR.	RESIDUE FIXED NONFILTR.	NITROGEN PARTICUL. N	CARBON ORGANIC PARTICULATE C	CARBON DISSOLVED ORGANIC C								
D	M	Y	HR	SUBM ID			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
31	03	80	1415	0426	0.	61F	7.4	24.	20.	.18	02L	1.1	02L	4.	06L			
31	03	80	1420	0426	0.	61F	7.6	26.	22.	.35	02L	3.0	02L	4.	04L			
14	04	80	1440	0426	7.	61F	5.1	96.	70.					4.	06L			
14	04	80	1445	0426	7.	61F	4.3	85.	55.					4.	04L			
28	04	80	1325	0426	17.	61F	6.8	93.	80.	.50		2.8		3.	06F			
28	04	80	1330	0426	17.	61F	32.0	78.	67.					3.				
12	05	80	1605	0426	16.	61F	92.0	243.		.78		4.8		2.	06F			
12	05	80	1610	0426	16.	61F	97.5	236.	219.	.73		6.2		2.				
26	05	80	1625	0426	16.	61F	330.	694.	644.					3.	06F			
26	05	80	1630	0426	16.	61F	300.	675.	628.					3.				
09	06	80	1545	0426	18.	61F	58.0	202.	184.	.37	02L	2.6	02L	3.	04L			
23	06	80	1600	0426	20.	61F	36.	86.0	76.0	.24		1.9		2.				
07	07	80	1500	0426			6.7	19.0	18.0	.16		1.1		3.				
21	07	80	1600	0426	24.0	61F	7.8	11.	9.	.09		.56		3.				
05	08	80	1545	0426	21.0	61F	6.8	115.	105.	.28		2.2		4.				
18	08	80	1445	0426	20.0	61F	7.5	17.	15.	.11		.66		3.				
02	09	80	1435	0426	19.	61F	4.7	10.	7.	.11		.53		3.				
29	10	80	1440	0426	19.	61F	4.3	9.	7.	.09		.52		3.				
15	09	80	1515	0426	15.	61F	3.3	4.	2.	.19		.84		5.				
29	09	80	1500	0426	17.	61F	14.	42.	37.	.16		.76		3.				
14	10	80	1500	0426	10.	61F	9.5	12.	9.	.13		.77		3.				
29	10	80	1510	0426	8.	61F	7.0	8.	6.	.07		.38		2.				
10	11	80	1530	0426	5.	61F	10.	23.	20.	.10		.70		2.				
24	11	80	1450	0426			9.4	23.	20.	.24		.41		1.				
25	12	80	1519	0426	10.	61F	5.5	11.	10.	.11				2.				

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOCSTATION 00AT05AK2087 LAT. 50D 8M 30S LONG. 110D 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE				SUBM ID	020615 TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
12	01	81	1410	0426	0. 61F	4.5	6.	5.	.19	.03	5.	.19	.03	2.	2.	2.	2.	2.
02	02	81	1500	0426		3.0	4.	3.	.12	.04	3.	.12	.04	2.	2.	2.	2.	2.
22	02	81	0930	0426		6.3	9.	7.	.27	.11	7.	.27	.11	2.	2.	2.	2.	2.
14	03	81	1440	0426		9.6	37.	32.	.64	.21	32.	.64	.21	2.	2.	2.	2.	2.
01	04	81	1600	0426	7.0 61F	14.0	33.	29.	1.1	.21	29.	1.1	.21	3.	3.	3.	3.	3.
13	04	81	1700	0426	6.0 61F	14.0	26.	23.	1.1	.23	23.	1.1	.23	2.	2.	2.	2.	2.
27	04	81	1600	0426	13.0 61F	5.0	14.	10.	2.1	.36	10.	2.1	.36	3.	3.	3.	3.	3.
11	05	81	1430	0426	12.0 61F	130.	105.	93.	3.7	.44	93.	3.7	.44	3.	3.	3.	3.	3.
25	05	81	1330	0426	17.0 61F	320.	2240.	2180.	4.9	.50	2180.	4.9	.50	5.	5.	5.	5.	5.
15	06	81	1300	0426	14.0 61F	50.	132.	122.	1.6	.21	122.	1.6	.21	3.	3.	3.	3.	3.
27	07	81	1745	0426	20.0 61F	16.	17.	15.	.70	.13	15.	.70	.13	3.	3.	3.	3.	3.
08	09	81	1300	0426	19. 61F	2.2	5.	3.	.64	.10	3.	.64	.10	3.	3.	3.	3.	3.
20	10	81	0800	0426	6.0 61F	5.7	8.	6.	1.6	.32	6.	1.6	.32	4.	4.	4.	4.	4.
01	12	81	0930	0426	.0 61F	5.5	10.	8.	.47	.09	8.	.47	.09	3.	3.	3.	3.	3.
09	01	82	1100	0426	.0 61F	.8	11.	11.	.21	.04	11.	.21	.04	3.	3.	3.	3.	3.
22	02	82	1500	0426	.0 61F	24.	41.	35.	4.	.20	35.	4.	.20	4.	4.	4.	4.	4.
03	04	82	1530	0426		13.	18.	16.	1.0	.19	16.	1.0	.19	5.	5.	5.	5.	5.
03	04	82	1535	0426		13.	21.	18.	.91	.17	18.	.91	.17	5.	5.	5.	5.	5.

SAMPLE DATE				SUBM ID	10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR		PH UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	CL	CL	MG/L	MG/L	MG/L
31	03	80	1415	0426	8.4	18.	53L	110.	01L	8.7	329.	8.6	1.6	8.6	1.6	1.6	1.6	1.6
31	03	80	1420	0426	8.4	19.	52L	110.	01L	.0	323.	8.5	1.6	5.1	1.6	3.8	3.8	3.8
14	04	80	1440	0426	8.0	25.	53L	120.	01L	.0	452.	5.1	3.6	5.1	3.6	3.5	3.5	3.5
14	04	80	1445	0426	8.0	26.	52L	120.	01L	.0	434.	4.3	3.5	4.3	3.5	3.5	3.5	3.5
28	04	80	1325	0426	7.9	25.	53F	140.	01L	0.	412.	4.2	3.6	4.2	3.6	3.6	3.6	3.6
28	04	80	1330	0426	8.1	25.		140.	01L	0.	409.	2.3	2.6	2.3	2.6	2.6	2.6	2.6
12	05	80	1605	0426	8.2	24.	53F	126.	01L	0.	327.	2.4	2.3	2.4	2.3	2.3	2.3	2.3
12	05	80	1610	0426	8.2	24.		122.	01L	0.	324.	3.5	3.0	3.5	3.0	3.0	3.0	3.0
26	05	80	1625	0426	8.0	24.		106.	01L	0.	367.	3.5	3.1	3.5	3.1	3.1	3.1	3.1
26	05	80	1630	0426	8.0	24.		117.	01L	0.	359.	1.7	4.1	1.7	4.1	4.1	4.1	4.1
09	06	80	1545	0426	8.0	23.	52L	116.	01L	.0	316.							

STATION 00AT05AK2087 LAT. 500 8M 30S LONG. 1100 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE SIO2	
D	M	Y	HR				MG/L		MG/L		MG/L		US/CM		MG/L		MG/L	
23	06	80	1600	0426	8.3		22.		111. 01L		.0		301.		1.8		3.5	
07	07	80	1500	0426	8.7		22.		109. 01L		3.9		343.		3.0		.6	
21	07	80	1600	0426	8.8		21.		103. 01L		4.9		398.		4.9		.4	
05	08	80	1545	0426	8.4		22.		106. 01L		.2		411.		5.5		.6	
18	08	80	1445	0426	8.7		21.		105. 01L		.0		365.		5.1		.4	
02	09	80	1435	0426	8.8		21.		108. 01L		6.0		395.		6.0		.8	
02	09	80	1440	0426	8.8		22.		108. 01L		5.0		395.		5.8		.4	
15	09	80	1515	0426	8.7		26.		112. 01L		4.2		431.		6.9		.2	
29	09	80	1500	0426	8.6		29.		128. 01L		2.7		424.		4.9		.4	
14	10	80	1500	0426	8.7		27.		120. 01L		6.0		382.		4.7		.2	
29	10	80	1510	0426	8.8				136. 01L		5.0		426.		5.8		.9	
10	11	80	1530	0426	8.5		37.		134. 01L		2.0		385.		4.1		.7	
24	11	80	1450	0426	8.3		35.		142. 01L		.0		431.		5.8		1.4	
15	12	80	1519	0426	8.1		43.		174. 01L		.0		548.		7.6		1.7	
12	01	81	1410	0426	8.1				140. 01L		.0		406.		4.0		4.2	
02	02	81	1500	0426	8.0		34.		143. 01L		.0		435.		5.5		3.4	
22	02	81	0930	0426	8.0		30.		125. 01L		.0		407.		5.4		2.6	
14	03	81	1440	0426	8.2		33.		128. 01L		.0		418.		5.7		1.1	
01	04	81	1600	0426	8.5		43.		142. 01L		.0		482.		6.4		.6	
13	04	81	1700	0426	8.7		33.		147. 01L		8.0		454.		5.1		.2	
27	04	81	1600	0426	9.0		27.		129. 01L		14.0		396.		5.0		.2	
11	05	81	1430	0426	8.3		28.		118. 01L		.0		349.		3.1		3.3	
25	05	81	1330	0426	7.9		28.		117. 01L		.0		329.		1.3		5.6	
15	06	81	1300	0426	8.2		26.		121. 01L		.0		330.		2.0		4.2	
27	07	81	1745	0426	8.6		32.		124. 01L		.2		338.		2.9		2.2	
08	09	81	1300	0426	8.8		27.		111. 01L		2.		342.		3.6		1.1	
20	10	81	0800	0426	8.2		30.		147. 01L		.0		515.		7.4		1.1	
01	12	81	0930	0426	8.3		42.		173. 01L		.0		546.		21.		.8	
09	01	82	1100	0426	7.8		49.		219. 01L		.0		589.		11.		2.8	
22	02	82	1500	0426	7.7		35.		140. 01L		.0		413.		6.8		3.8	
03	04	82	1530	0426	7.9		32.		130. 01L		.0		447.		13.		2.8	
03	04	82	1535	0426	7.9		32.		130. 01L		.0		436.		13.		2.8	

NAQUADAT DETAILED REPORT
 PHOSPHORUS AND NITROGEN FORMS

 STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
 SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE	HST	D	M	Y	HR	SUBM ID	15406L		15301L		15103F		15356F		15256F		07661F		07110F		07506L	
							PHOSPHOROUS	PHOSPHATE	PHOSPHOROUS	TOTAL	PHOSPHOROUS	DISSOLVED	PHOSPHOROUS	DISSOLVED	PHOSPHOROUS	DISSOLVED	NITROGEN	DISSOLVED	NITROGEN	DISSOLVED	TOTAL	AMMONIA
							P	P	P	P	P	P	P	P	P	P	N	N	N	N	N	N
							MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22 05 79	0600					0426	.30	.22	.016	.13F	.004	.46F	.003	.66F	.003	.66F	.30	.14	.19F	.14	.19F	.14
22 05 79	0630					0426	.30	.22	.016	.13F	.006	.46F	.003	.66F	.003	.66F	.31	.14	.19F	.14	.19F	.14
04 06 79	1625					0426	.27	.22	.024	.13F	.005	.46F	.003	.66F	.006	.66F	.39	.23	.19F	.19	.19F	.19
04 06 79	1630					0426	.26	.23	.021	.13F	.007	.46F	.003	.66F	.008	.66F	.33	.19	.19F	.19	.19F	.19
18 06 79	1555					0426	.085	.077	.016	.13F	.008	.46F	.003	.66F	.008	.66F	.15	.04	.19F	.04	.19F	.04
18 06 79	1620					0426	.09	.073	.008	.13F	.014	.46F	.003	.66F	.005	.66F	.15	.04	.19F	.04	.19F	.04
04 07 79	1705					0426			.009	.13F	.003	.46F	.003	.66F	.003	.66F	.23	.05	.19F	.05	.19F	.05
04 07 79	1730					0426	.022	.005	.009	.13F	.003	.46F	.003	.66F	.003	.66F	.26	.04	.19F	.04	.19F	.04
17 07 79	1320					0426	.007	.007	.009	.13F	.003	.46F	.003	.66F	.003	.66F	.18	.01	.19F	.01	.19F	.01
17 07 79	1325					0426	.007	.007	.009	.13F	.003	.46F	.003	.66F	.003	.66F	.20	.01	.19F	.01	.19F	.01
30 07 79	1520					0426	.057	.048	.009	.13F	.003	.46F	.003	.66F	.003	.66F	.21	.01	.19F	.01	.19F	.01
30 07 79	1530					0426	.066	.046	.010	.13F	.003	.46F	.003	.66F	.003	.66F	.27	.06	.19F	.06	.19F	.06
17 09 79	1310					0426	.005	.005	.008	.13F	.005	.46F	.003	.66F	.003	.66F	.30	.01	.19F	.01	.19F	.01
17 09 79	1315					0426	.015	.005	.006	.13F	.003	.46F	.003	.66F	.003	.66F	.26	.01	.19F	.01	.19F	.01
01 10 79	1135					0426	.011	.006	.006	.13F	.003	.46F	.003	.66F	.003	.66F	.22	.01	.19F	.01	.19F	.01
01 10 79	1140					0426	.018	.003	.005	.13F	.003	.46F	.003	.66F	.003	.66F	.20	.01	.19F	.01	.19F	.01
17 10 79	0725					0426	.012	.008	.007	.13F	.004	.46F	.003	.66F	.003	.66F	.27	.01	.19F	.01	.19F	.01
17 10 79	0730					0426	.013	.004	.011	.13F	.004	.46F	.003	.66F	.003	.66F	.27	.01	.19F	.01	.19F	.01
05 11 79	1255					0426	.022	.016	.007	.13F	.006	.46L	.003	.66L	.003	.66L	.40	.23	.19L	.23	.19L	.23
05 11 79	1300					0426	.023	.017	.006	.03L	.006	.56L	.003	.56L	.003	.56L	.42	.23	.10L	.23	.10L	.23
26 11 79	1055					0426	.025	.020	.020	.13L	.011	.46L	.008	.66L	.008	.66L	1.3	1.2	.19L	1.2	.19L	1.2
26 11 79	1100					0426	.024	.019	.016	.03L	.013	.56L	.008	.66L	.008	.66L	1.3	1.2	.10L	1.2	.10L	1.2
17 12 79	0955					0426	.047	.043	.047	.13L	.036	.46L	.035	.66L	.035	.66L	2.3	1.7	.19L	1.7	.19L	1.7
17 12 79	1000					0426	.048	.045	.039	.03L	.039	.56L	.036	.56L	.036	.56L	2.2	1.6	.19L	1.6	.19L	1.6
14 01 80	1040					0426	.086	.076	.078	.13L	.069	.46L	.069	.66L	.069	.66L	1.6	1.4	.19L	1.4	.19L	1.4
14 01 80	1045					0426	.081	.070	.079	.03L	.069	.56L	.069	.56L	.068	.56L	1.7	1.4	.10L	1.4	.10L	1.4
04 02 80	1115					0426	.11	.10	.10	.13L	.10	.46L	.082	.66L	.082	.66L	1.8	1.5	.19L	1.5	.19L	1.5
04 02 80	1120					0426	.12	.11	.11	.03L	.10	.56L	.10	.56L	.10	.56L	1.9	1.5	.10L	1.5	.10L	1.5
25 02 80	1155					0426	.11	.11	.11	.13L	.096	.46L	.095	.66L	.095	.66L	1.5	1.3	.19L	1.3	.19L	1.3
25 02 80	1200					0426	.10	.10	.097	.03L	.096	.56L	.089	.56L	.089	.56L	1.4	1.3	.10L	1.3	.10L	1.3
17 03 80	1115					0426	.19	.17	.15	.13L	.14	.46L	.14	.66L	.14	.66L	1.2	1.2	.19L	1.2	.19L	1.2
17 03 80	1120					0426	.18	.16	.15	.03L	.14	.56L	.13	.56L	.13	.56L	1.8	1.4	.10L	1.4	.10L	1.4
31 03 80	1125					0426	.11	.10	.080	.13L	.072	.46L	.059	.66L	.059	.66L	1.0	.76	.19L	.76	.19L	.76
31 03 80	1130					0426	.12	.092	.075	.03L	.069	.56L	.061	.56L	.061	.56L	1.0	.80	.10L	.80	.10L	.80
14 04 80	1115					0426	.23	.19	.064	.13L	.058	.46L	.058	.66L	.058	.66L	1.0	.60	.19L	.60	.19L	.60
14 04 80	1120					0426	.19	.15	.072	.03L	.058	.56L	.041	.56L	.041	.56L	1.1	.66	.10L	.66	.10L	.66
28 04 80	0955					0426	.20	.14	.051	.13F	.029	.46F	.020	.66F	.020	.66F	.48	.17	.19F	.17	.19F	.17
28 04 80	1000					0426	.20	.14	.056	.13F	.039	.46F	.036	.66F	.036	.66F	.45	.18	.19F	.18	.19F	.18
12 05 80	1155					0426	.20	.14	.026	.13F	.021	.46F	.013	.66F	.013	.66F	.11	.11	.19F	.11	.19F	.11

NAQUADAT DETAILED REPORT PHOSPHORUS AND NITROGEN FORMS

STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE			SUBM ID	15406L PHOSPHATE TOTAL P		15301L PHOSPHORUS TOTAL INORGANIC P		15103F PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P		15256F PHOSPHORUS DISSOLVED ORTHO P		07661F NITROGEN DISSOLVED N		07110F NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y		MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N
12	05	80	1200	0426	.16	.15	.026	.015	.015	.010	.003	.010	.003	.25	.07	.01	.07	.11	.11
26	05	80	1155	0426	.15	.12	.015	.012	.012	.003	.005	.003	.003	.16	.02	.02	.02	.11	.11
26	05	80	1200	0426	.16	.11	.006	.005	.005	.003	.005	.003	.003	.16	.01	.01	.01	.11	.11
29	06	80	1200	0426	.29	.29	.024	.011	.011	.004	.004	.004	.004	.55	.34	.34	.34	.11	.11
23	06	80	1300	0426	.15	.014	.012	.004	.004	.003	.003	.003	.003	.38	.28	.28	.28	.11	.11
07	07	80	1140	0426	.060	.046	.009	.003	.003	.003	.003	.003	.003	.15	.01	.01	.01	.11	.11
16	07	80	1050	0426	.011	.009	.003	.003	.003	.003	.003	.003	.003	.15	.01	.01	.01	.11	.11
21	07	80	1200	0426	.041	.030	.027	.003	.003	.003	.003	.003	.003	.32	.02	.02	.02	.11	.11
05	08	80	1300	0426	.013	.007	.005	.003	.003	.003	.003	.003	.003	.22	.01	.01	.01	.11	.11
18	08	80	1210	0426	.018	.009	.007	.004	.004	.003	.003	.003	.003	.21	.01	.01	.01	.11	.11
02	09	80	1215	0426	.011	.008	.003	.003	.003	.003	.003	.003	.003	.18	.01	.01	.01	.11	.11
09	09	80	1205	0426	.008	.004	.003	.003	.003	.003	.003	.003	.003	.20	.01	.01	.01	.11	.11
15	09	80	1215	0426	.019	.010	.010	.003	.003	.003	.003	.003	.003	.63	.01	.01	.01	.11	.11
29	09	80	1200	0426	.017	.008	.007	.003	.003	.003	.003	.003	.003	.25	.01	.01	.01	.11	.11
14	10	80	1215	0426	.023	.016	.006	.006	.006	.003	.003	.003	.003	.21	.01	.01	.01	.11	.11
29	10	80	1315	0426	.053	.036	.011	.006	.006	.004	.004	.004	.004	.82	.70	.70	.70	.11	.11
10	11	80	0900	0426	.092	.067	.028	.013	.013	.007	.007	.007	.007	.61	.52	.52	.52	.11	.11
24	11	80	1200	0426	.069	.060	.051	.024	.024	.022	.022	.022	.022	.76	.70	.70	.70	.11	.11
15	12	80	1220	0426	.074	.051	.074	.040	.040	.019	.019	.019	.019	1.3	1.0	1.0	1.0	.3	.3
12	01	81	1014	0426	.081	.066	.058	.058	.058	.020	.020	.020	.020	.77	.47	.47	.47	.4	.4
02	02	81	1200	0426	.10	.091	.090	.090	.090	.088	.088	.088	.088	.97	.75	.75	.75	.2	.2
02	02	81	1210	0426	.097	.096	.090	.090	.090	.090	.090	.090	.090	.96	.75	.75	.75	.3	.3
21	02	81	1300	0426	.12	.12	.11	.11	.11	.099	.099	.099	.099	1.3	.94	.94	.94	.2	.2
14	03	81	1240	0426	.080	.080	.045	.045	.045	.045	.045	.045	.045	.79	.70	.70	.70	.11	.11
01	04	81	1300	0426	.19	.13	.052	.036	.036	.012	.012	.012	.012	.86	.72	.72	.72	.11	.11
13	04	81	1345	0426	.12	.085	.035	.034	.034	.022	.022	.022	.022	.73	.43	.43	.43	.11	.11
27	04	81	1300	0426	.088	.043	.015	.006	.006	.003	.003	.003	.003	.20	.01	.01	.01	.11	.11
11	05	81	1130	0426	.14	.10	.024	.024	.024	.005	.005	.005	.005	.23	.01	.01	.01	.11	.11
25	05	81	1200	0426	.92	.77	.011	.004	.004	.003	.003	.003	.003	.69	.48	.48	.48	.11	.11
08	07	81	1120	0426	.073	.044	.003	.003	.003	.003	.003	.003	.003	.12	.01	.01	.01	.11	.11
12	07	81	1400	0426	.076	.076	.004	.003	.003	.003	.003	.003	.003	.12	.01	.01	.01	.11	.11
17	08	81	1410	0426	.028	.011	.006	.005	.005	.003	.003	.003	.003	.17	.01	.01	.01	.11	.11
17	08	81	1415	0426	.034	.006	.006	.006	.006	.003	.003	.003	.003	.14	.01	.01	.01	.11	.11
02	09	81	1125	0426	.024	.017	.005	.005	.005	.003	.003	.003	.003	.17	.01	.01	.01	.11	.11
28	09	81	1400	0426	.033	.023	.008	.003	.003	.003	.003	.003	.003	.24	.01	.01	.01	.11	.11
10	11	81	1100	0426	.069	.051	.007	.003	.003	.003	.003	.003	.003	1.2	1.0	1.0	1.0	.11	.11
15	12	81	1040	0426	.097	.084	.050	.080	.080	.075	.075	.075	.075	1.5	1.1	1.1	1.1	.4	.4
08	02	82	1200	0426	.22	.18	.19	.18	.18	.17	.17	.17	.17	1.8	1.5	1.5	1.5	.2	.2
22	03	82	1140	0426	.18	.17	.15	.15	.15	.14	.14	.14	.14	1.3	1.3	1.3	1.3	.2	.2

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AT05AK2090 LAT. 50D 39M 05 LONG. 110D 12M 05 PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE				15406L PHOSPHOROUS TOTAL P MG/L		15301L PHOSPHOROUS TOTAL INORGANIC P MG/L		15103F PHOSPHOROUS DISSOLVED P MG/L		15356F PHOSPHOROUS DISSOLVED INORG. PO4 P MG/L		15256F PHOSPHOROUS DISSOLVED ORTHO PO4 P MG/L		07661F NITROGEN DISSOLVED N MG/L		07110F NITROGEN DISSOLVED NO3 & NO2 N MG/L		07506L NITROGEN TOTAL AMMONIA N MG/L	
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	04	82	1330	0426	.22	.19	.19	.076	.068	.062	.062	.062	.062	1.0	.80	.80	.80	.3	.3
SAMPLE DATE				02061S TEMPERATURE OF WATER		02073L TURBIDITY JTU		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL. N MG/L		06902F CARBON ORGANIC PARTICULATE C MG/L		06104F CARBON DISSOLVED ORGANIC C MG/L			
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	DEG.C.	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	05	79	0600	0426	13.	190.	190.	376.	324.	324.	324.	.64	.64						
22	05	79	0630	0426	13.	175.	175.	384.	326.	326.	326.	.98	.98						
04	06	79	1825	0426	18.	145.	145.	313.	275.	275.	275.	L.01	L.01						
04	06	79	1630	0426	18.	125.	125.	303.	277.	277.	277.	L.01	L.01						
18	06	79	1555	0426	18.5	48.	48.	67.	65.	65.	65.	.20	.20						
18	06	79	1620	0426	18.5	46.	46.	72.	69.	69.	69.	.16	.16						
04	07	79	1705	0426	21.			56.	48.	48.	48.	.20	.20						
04	07	79	1730	0426	21.			52.	44.	44.	44.								
17	07	79	1320	0426	24.5	3.8	3.8	4.	3.	3.	3.	.04	.04						
17	07	79	1325	0426	24.5	3.8	3.8	11.	11.	11.	11.								
30	07	79	1520	0426	23.	72.	72.	146.1	131.5	131.5	131.5	.25	.25						
30	07	79	1540	0426	23.	63.	63.	9.7	4.8	4.8	4.8	.09	.09						
17	09	79	1310	0426	18.	1.9	1.9	1.	1.	1.	1.								
17	09	79	1315	0426	11.	1.2	1.2	1.	1.	1.	1.	.06	.06						
01	10	79	1135	0426	11.	1.9	1.9	9.	7.	7.	7.								
01	10	79	1140	0426	11.	2.4	2.4	21.	15.	15.	15.	.09	.09						
17	10	79	0725	0426	9.	1.9	1.9	5.	4.	4.	4.								
17	10	79	0730	0426	9.	2.0	2.0	2.	11.	11.	11.	.14	.14						
05	11	79	1255	0426	2.	3.3	3.3	6.	5.	5.	5.								
05	11	79	1300	0426	2.	2.9	2.9	9.	7.	7.	7.								
26	11	79	1055	0426	0.	3.9	3.9	11.	11.	11.	11.	.07	.07						
26	11	79	1100	0426	0.	2.8	2.8	11.	11.	11.	11.								
17	12	79	0955	0426	0.	1.3	1.3	11.	11.	11.	11.	.04	.04						
17	12	79	1000	0426	0.	1.0	1.0	11.	11.	11.	11.								
14	01	80	1040	0426	0.	1.5	1.5	11.	11.	11.	11.	.04	.04	.21	.02L	2.	.06L		
14	01	80	1045	0426	0.	1.6	1.6	11.	11.	11.	11.	.04	.04	.22	.02L	2.	.04L		
04	02	80	1115	0426	0.	1.8	1.8	2.	11.	11.	11.								

STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE				020615		02073L		10401L		10501L		07902F		06902F		06104F	
MST				WATER		TURBIDITY		RESIDUE NONFILTR.		RESIDUE FIXED NONFILTR.		NITROGEN PARTICUL.		CARBON ORGANIC PARTICULATE		CARBON DISSOLVED ORGANIC	
D M Y HR				DEG.C.		JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
SUBM ID																	
04	02	80	1120	0426	0.	1.4		2.	11.			.05 02L		.27 02L		2. 04L	
25	02	80	1155	0426	.5	2.2		7.	6.							2. 06L	
25	02	80	1200	0426	.5	2.3		2.	1.							2. 04L	
17	03	80	1115	0426	1.5	5.7		9.	8.			.10 02L		.63 02L		3. 06L	
17	03	80	1120	0426	1.5	8.4		7.	3.							3. 04L	
31	03	80	1125	0426	1.	61F		16.	16.			.11 02L		.71 02L		4. 06L	
31	03	80	1130	0426	1.	61F		18.	16.							3. 04L	
14	04	80	1115	0426	8.	61F		83.	74.			.24 02L		2.1 02L		3. 06L	
14	04	80	1120	0426	8.	61F		89.	69.							3. 04L	
28	04	80	0955	0426	15.	61F		70.	59.			.73		4.6		4. 06F	
28	04	80	1000	0426	15.	61F		77.	64.							4.	
12	05	80	1155	0426	15.	61F		125.	113.			.27		1.2		2. 06F	
12	05	80	1200	0426	15.	61F		131.	121.			.69		2.4		2. 06F	
26	05	80	1155	0426	18.	61F		143.	135.							3.	
26	05	80	1200	0426	18.	61F		147.	136.								
09	06	80	1200	0426	18.	61F		269.	245.			.61 02L		5.6 02L		4. 04L	
23	06	80	1300	0426	20.	61F		138.	127.			.28		2.5		2.	
07	07	80	1140	0426		7.1		20.0	19.0			.19		1.2		2.	
16	07	80	1050	0426	21.9 61F			4.	3.			.04 02L		.25 02L		3. 04L	
21	07	80	1200	0426	22.0 61F		35.	83.	76.			.20		1.7		3.	
05	08	80	1300	0426	18.0 61F		4.8	6.	5.			.05		.34		4.	
18	08	80	1210	0426	20.0 61F		6.0	8.	6.			.04		.36		3.	
02	09	80	1215	0426	19.	61F		8.	6.			.05		.32			
09	09	80	1205	0426	16.7 61F		4.9	3.	2.			.04 02L		.26 02L		3. 04L	
15	09	80	1215	0426	14.	61F		9.	7.			.17		.81		4.	
29	09	80	1200	0426	17.	61F		10.	8.			.10		.45		3.	
14	10	80	1215	0426	11.	61F		12.	10.			.11		1.1		3.	
29	10	80	1315	0426	9.	61F		31.	26.			.16		1.0		2.	
10	11	80	0900	0426	2.	61F		37.	33.			.19		1.3		2.	
24	11	80	1200	0426		9.5		24.	21.			.14		.95		2.	
15	12	80	1220	0426		12.		21.	19.			.14				2.	
12	01	81	1014	0426	0.	61F		9.	7.			.04		.25		2.	
02	02	81	1200	0426	4.0	0426		3.	2.			.06		.26		2.	
02	02	81	1210	0426		6.8		4.	3.			.04		.16		2.	
21	02	81	1300	0426		7.1		10.	7.			.12		.38		2.	
14	03	81	1240	0426		4.4		14.	11.			.11		.50		2.	
01	04	81	1300	0426	8.0 61F		36.0	82.	77.			.43		2.7		2.	
13	04	81	1345	0426	5.0 61F		0426	19.0	39.			.31		1.6		3.	
17	04	81	1300	0426	13.0 61F		7.0	28.	24.			.40		2.6		3.	

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOC

STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE				SUBM ID	02061S TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902F NITROGEN PARTICUL.		06902F CARBON ORGANIC PARTICULATE C		06104F CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	N	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
11	05	81	1130	0426	12.0 61F	64.	314.	289.	.39	2.6	3.							
25	05	81	1200	0426	15.0 61F	230.	1908.	1872.			5.							
08	07	81	1120	0426	19.8 61F		83.	77.	.12	.68	3.							
12	07	81	1400	0426	21.0 61F	23.	48.	43.	.13	.86	2.							
17	08	81	1410	0426	24. 61F	8.8	21.	18.	.15	.87	2.							
17	08	81	1415	0426	24. 61F	9.5	25.	21.	.14	.87	2.							
02	09	81	1125	0426	16. 61F		16.	10.			2.							
28	09	81	1400	0426	11. 61F	9.9	19.	18.	.18	1.1	3.							
10	11	81	1100	0426	4. 61F	18.0	29.	28.	.31	2.1	4.							
15	12	81	1040	0426	.0 61F	2.4	2.0	1.0	.05	.21	3.							
08	02	82	1200	0426	.0 61F	3.3	2.	1.	.05	.27	2.							
22	03	82	1140	0426	4. 61F	6.7	8.	5.	.12	.75	3.							
26	04	82	1330	0426	10.0 61F	45.	92.	83.	.43	2.9	4.							
SAMPLE DATE				SUBM ID	10301L PH		06152F CARBON DISSOLVED INORGANIC C		10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PHTHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR		PH UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	CL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
22	05	79	0600	0426	8.0	113.		.0			334.							
22	05	79	0630	0426	8.0	114.		.0			334.							
04	06	79	1625	0426	8.0	112.		.0			308.							
04	06	79	1630	0426	8.0	110.		.0			308.							
18	06	79	1555	0426	8.3	119.		.0			308.							
18	06	79	1620	0426	8.3	118.		.0			308.							
04	07	79	1705	0426	8.3	115.		.0			368.							
04	07	79	1730	0426	8.3	113.		.0			359.							
17	07	79	1320	0426	8.6	95.					352.							
17	07	79	1325	0426	8.6	97.					346.							
30	07	79	1520	0426	8.7	86.		13.			359.							
30	07	79	1540	0426	8.8	83.		19.			369.							
17	09	79	1310	0426	8.6	114.		6.4			467.							
17	09	79	1315	0426	8.6	115.		1.5			466.							
01	10	79	1135	0426	8.3	112.		.0			482.							
01	10	79	1140	0426	8.3	112.		.0			471.							

STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

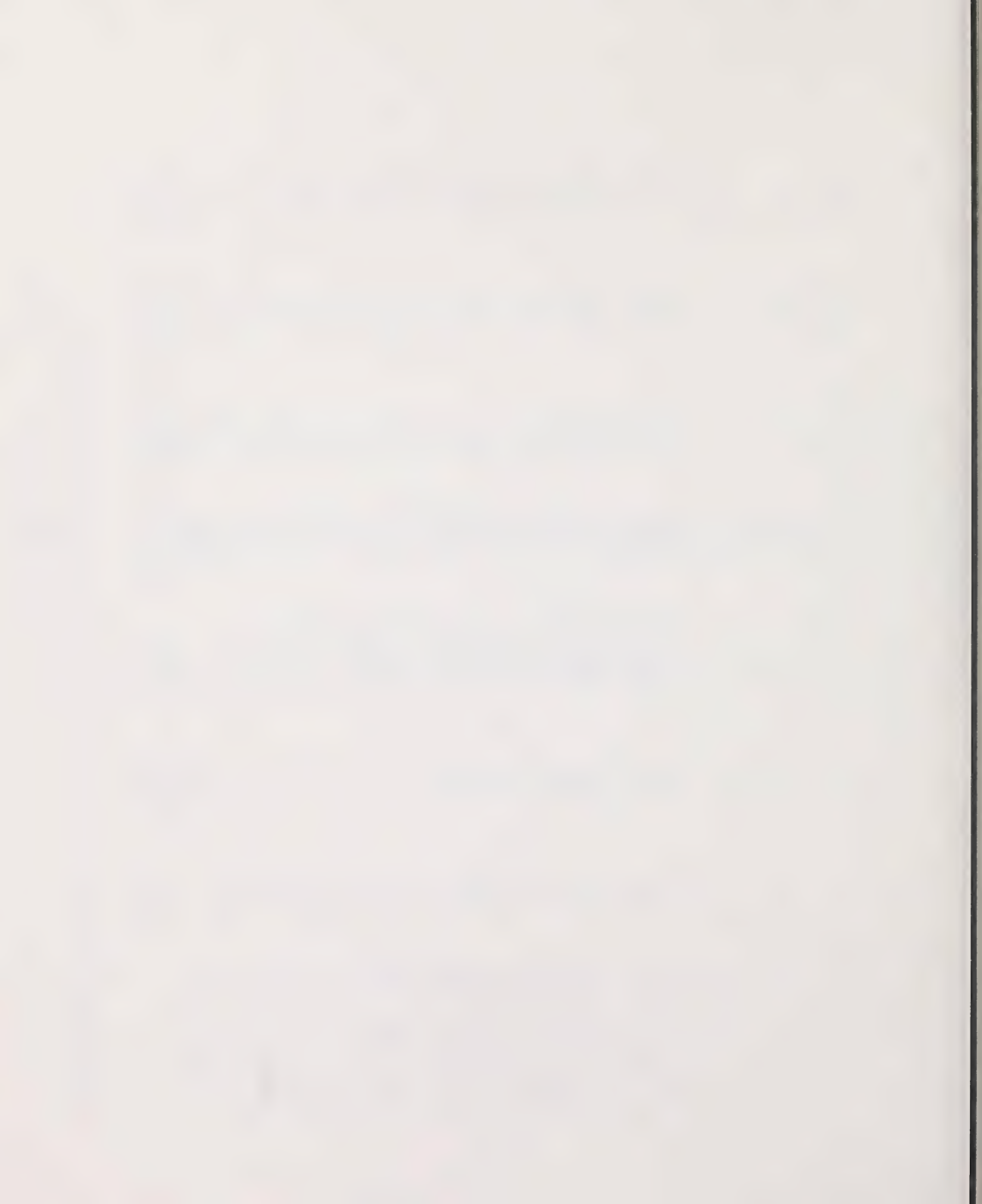
SAMPLE DATE				SUBM		10301L PH	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3		10151L ALKALINITY PHENOL PTHHALEIN CACO3		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED CL		14105L SILICA REACTIVE SIO2	
D	M	Y	HR	ID	PH UNITS			MG/L	MG/L	MG/L	US/CM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
17	10	79	0725	0426	8.3			126.		.0	519.						
17	10	79	0730	0426	8.3			125.		.0	520.						
05	11	79	1255	0426	8.3			136.		.0	510.						
05	11	79	1300	0426	8.3			136.		.0	512.						
26	11	79	1055	0426	8.1			130.		.0	506.						
26	11	79	1100	0426	8.2			137.		.0	497.						
17	12	79	0955	0426	8.1			180.		.0	594.						
17	12	79	1000	0426	8.1			180.		.0	600.						
14	01	80	1040	0426	7.8		35. 53L	166.		.0	535.					1.1	
14	01	80	1045	0426	7.9		35. 52L	166.		.0	529.					1.2	
04	02	80	1115	0426	7.9		39. 53L	176.		.0	557.					.7	
04	02	80	1120	0426	7.9		40. 52L	182.		.0	564.					.6	
25	02	80	1155	0426	8.0		31. 53L	166.		.0	524.					.9	
25	02	80	1200	0426	8.2		32. 52L	167.		.0	520.					1.0	
17	03	80	1115	0426	7.7		28. 53L	102.		.0	504.					2.9	
17	03	80	1120	0426	7.7		29. 52L	126.		.0	499.					3.0	
31	03	80	1125	0426	8.4		17. 53L	120. 01L		7.7	311.			6.8		.8	
31	03	80	1130	0426	8.4		18. 52L	110. 01L		.0	312.			6.7		1.9	
14	04	80	1115	0426	8.0		25. 53L	120. 01L		.0	434.			5.7		2.4	
14	04	80	1120	0426	8.0		26. 52L	120. 01L		.0	434.			5.9		2.6	
28	04	80	0955	0426	8.3		26. 53F	150. 01L		0.	458.			5.0		1.5	
28	04	80	1000	0426	8.3		26.	150. 01L		0.	458.			4.9		1.5	
12	05	80	1155	0426	8.3		23. 53F	121. 01L		0.	328.			2.6		2.3	
12	05	80	1200	0426	8.3		23.	121. 01L		0.	326.			2.6		2.3	
26	05	80	1155	0426	8.4		24. 53F	114. 01L			382.			3.5		.7	
26	05	80	1200	0426	8.4		25.	124. 01L		.0	368.			3.5		.9	
09	06	80	1200	0426	8.0		23. 52L	113. 01L		.0	318.			1.8		4.3	
23	06	80	1300	0426	8.1		22.	110. 01L		.0	299.			1.5		3.5	
07	07	80	1140	0426	8.5		22.	105. 01L		4.8	335.			2.6		.4	
16	07	80	1050	0426	8.2		25. 52L	112. 01L		.0	376.			3.8		.6	
21	07	80	1200	0426	8.4		23.	110. 01L		1.3	398.			4.5		.9	
05	08	80	1300	0426	8.8		22.	104. 01L		6.6	402.			5.0		.6	
18	08	80	1210	0426	8.7		22.	106. 01L		.1	378.			4.6		.4	
02	09	80	1215	0426	8.6		22.	108. 01L		1.5	392.			5.3		.7	
09	09	80	1205	0426	8.6		22. 52L	107. 01L		.0	400.			5.6		.3	
15	09	80	1215	0426	8.5		27.	115. 01L		2.1	426.			6.5		.4	
29	09	80	1200	0426	8.5		30.	131. 01L			454.			5.6		.4	
14	10	80	1215	0426	8.4		28.	124. 01L		1.9	393.			4.4		.5	
29	10	80	1315	0426	8.5			142. 01L		.0	435.			5.2		1.3	

PH DIC ALK COND CL SI02

STATION 00AT05AK2090 LAT. 50D 38M 0S LONG. 110D 12M 0S PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC C	10106L ALKALINITY TOTAL CACO3	10151L ALKALINITY PHENOL PHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR								
10	11	80	0900	0426	8.3	37.	135. 01L	.0	388.	4.5	.7
24	11	80	1200	0426	8.2	36.	143. 01L	.0	426.	5.0	.8
15	12	80	1220	0426	8.0	43.	181. 01L	.0	548.	9.0	1.0
12	01	81	1014	0426	8.0		140. 01L	.0	412.	5.9	4.5
02	02	81	1200	0426	8.0	34.	140. 01L	.0	423.	4.9	3.4
02	02	81	1210	0426	8.0	34.	141. 01L	.0	423.	4.9	3.3
21	02	81	1300	0426	7.8	34.	142. 01L	.0	448.	6.0	3.0
14	03	81	1240	0426	8.4	32.	129. 01L	2.3	414.	6.0	1.0
01	04	81	1300	0426	8.5	43.	148. 01L	.0	480.	6.9	.7
13	04	81	1345	0426	8.7	34.	149. 01L	7.	470.	6.4	.1
27	04	81	1300	0426	8.7	27.	106. 01L	6.0	377.	6.7	1.1
11	05	81	1130	0426	8.8	28.	115. 01L	4.0	334.	3.1	1.6
25	05	81	1200	0426	7.8	27.	121. 01L	.0	348.	1.7	5.8
08	07	81	1120	0426	8.4	28.	118. 01L	.0	320.	2.5	1.6
12	07	81	1400	0426	8.6	30.	126. 01L	1.9	326.	2.0	.7
17	08	81	1410	0426	8.6	27.	114. 01L	1.8	316.	2.8	1.4
17	08	81	1415	0426	8.6	28.	114. 01L	3.3	317.	2.8	1.6
02	09	81	1125	0426	8.4	28.	112. 01L	.2	334.	3.3	.4
28	09	81	1400	0426	8.5	20.	119. 01L	.2	394.	5.8	1.1
10	11	81	1100	0426	8.3	26.	148. 01L	.0	452.	7.1	.2
15	12	81	1040	0426	8.2	44.	187. 01L	.0	534.	8.6	1.0
08	02	82	1200	0426	7.5	47.	185. 01L	.0	489.	7.9	4.3
22	03	82	1140	0426	7.7	36.	140. 01L	.0	418.	7.9	2.6
26	04	82	1330	0426	8.0	25.	115. 01L	.0	357.	6.5	3.9

B-2 NAQUADAT printout of algal growth potential and biologically
available phosphorus



STATION 00AT05AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHERIDGE STP OUTFALL

SAMPLE DATE HST D M Y HR	SUBM ID	SELENASTRUM CELLS/HL	54101L		54611L		54601L	
			FILTERED ALGAL GROWTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L			
23 05 79 0900	0426	17.						
05 06 79 1400	0426	12.						
19 06 79 1140	0426	3.						
05 07 79 1315	0426	2.		.000				
18 07 79 1120	0426	9.						
31 07 79 1600	0426	2.		.003				
18 09 79 1345	0426	2.		.003				
02 10 79 1300	0426	7.		.005				
18 10 79 0930	0426	6.		.005				
06 11 79 1330	0426	5.		.002				
27 11 79 0900	0426	4.		.002				
15 01 80 1100	0426	2.		.003				
05 02 80 0945	0426	1.		.006			.002	
26 02 80 0915	0426	35.		.004			.002	
18 03 80 1330	0426	17.		.007			.003	
01 04 80 0910	0426	3.		.007			.003	
15 04 80 1000	0426	3.		.003			.001	
29 04 80 1430	0426	7.		.027			.001	
13 05 80 1325	0426	4.		.003			.001	
27 05 80 1400	0426	10.		.288			.002	
10 06 80 1330	0426	4.		.005			.001	
24 06 80 1320	0426	3.		.005			.001	
08 07 80 1500	0426	2.		.002			.001	
22 07 80 1330	0426	7.		.002			.001	
06 08 80 1330	0426	4.		.002			.001	
19 08 80 1210	0426	2.		.012			.001	
03 09 80 1215	0426	1.		.001			.001	
16 09 80 1200	0426	4.		.001			.002	
30 09 80 1600	0426	3.		.003			.001	
15 10 80 1215	0426	1.		.001			.001	
30 10 80 1220	0426	6.		.001			.001	
11 11 80 1600	0426	7.		.002			.001	
25 11 80 1320	0426	5.		.001			.001	
13 01 81 1310	0426	4.		.001			.001	
03 02 81 1400	0426	1.		.003			.001	
22 02 81 1700	0426	4.		.015			.002	
15 03 81 1330	0426	4.		.002			.001	
02 04 81 1400	0426	5.		.002			.001	
14 04 81 1430	0426	4.		.000			.001	

NAQUADAT DETAILED REPORT
AGP PBAP AND DBAPSTATION 00AT05AD2035 LAT. 48D 42M 37S LONG. 112D 51M 42S PR 3 UTM 12 363050E 5396700N
OLDMAN RIVER AT HIGHWAY #3, ABOVE LETHBRIDGE STP OUTFALL

SAMPLE DATE MST	D	M	Y	HR	SUBM ID	SELENASTRUM CELLS/HL	54101L FILTERED ALGAL GROWTH POTENTIAL	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
	28	04	81	1335	0426	15.		.034	.001
	12	05	81	1315	0426	7.		.002	.010
	26	05	81	1630	0426	12.		.070	.002
	16	06	81	1315	0426	15.		.053	.005
	13	07	81	1345	0426	2.		.002	.001
	28	07	81	1655		4.			
	09	09	81	1315		3.			
	29	09	81	1525		3.			

STATION 00AT05AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 383300E 5523900N
OLDMAN RIVER AT HIGHWAY #845, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE MST	D	M	Y	HR	SUBM ID	SELENASTRUM CELLS/HL	54101L FILTERED ALGAL GROWTH POTENTIAL	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
	23	05	79	0605	0426	45.			
	05	06	79	1155	0426	53.			
	19	06	79	0940	0426	20.		.004	
	05	07	79	1130	0426	6.			
	18	07	79	0935	0426	4.			
	31	07	79	1415	0426	29.		.011	
	18	09	79	1200	0426	59.		.008	
	02	10	79	1130	0426	13.		.012	
	18	10	79	0730	0426	288.		.024	
	06	11	79	1230	0426	76.		.008	
	27	11	79	0800	0426	117.		.005	
	15	01	80	0915	0426	1110.		.017	
	05	02	80	0845	0426	1370.		.009	
	26	02	80	0815	0426	963.		.020	.229
	18	03	80	1150	0426	493.		.043	.106
	01	04	80	0820	0426	105.		.037	.116
	15	04	80	0830	0426	73.		.013	.112

STATION 00AT05AD2050 LAT. 49D 51M 30S LONG. 112D 37M 24S PR 3 UTM 12 363300E 5523900N
 OLDHAN RIVER AT HIGHWAY #845, BELOW LETHBRIDGE (BELOW PICTURE BUTTE)

SAMPLE DATE MST	D	M	Y	HR	SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL SELENASTRUM CELLS/ML	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
20 04 80 1200						156.	.062	.042
13 05 80 1200					0426	29.	.017	.030
27 05 80 1130					0426	21.	.361	.002
10 06 80 1130					0426	33.		.001
24 06 80 1130					0426	44.	.008	.021
08 07 80 1230					0426	13.	.008	.089
22 07 80 1145					0426	10.	.004	.069
06 08 80 1145					0426	19.	.004	.025
19 08 80 1030					0426	5.	.018	.100
03 09 80 1100					0426	15.	.009	.130
16 09 80 1045					0426	36.	.008	.115
30 09 80 1430					0426	61.	.009	.041
15 10 80 1045					0426	72.	.004	.047
30 10 80 1130					0426	189.	.010	.012
11 11 80 1435					0426	238.	.008	.017
25 11 80 1200					0426	87.	.005	.020
13 01 81 1140					0426	127.	.011	.080
03 02 81 1245					0426	223.	.005	.093
22 02 81 1600					0426	309.	.047	.029
15 03 81 1230					0426	81.	.013	.088
02 04 81 1200					0426	96.	.018	.090
14 04 81 0300					0426	37.	.000	.113
28 04 81 1200					0426	273.	.023	.035
12 05 81 1145					0426	52.	.006	.021
26 05 81 1400					0426	9.	.056	.001
16 06 81 1100					0426	38.	.096	.012
13 07 81 1155					0426	4.	.000	.001
28 07 81 1545						32.		
09 09 81 1150						36.		
29 09 81 1350						22.		

STATION 00AT05AC2095 LAT. 49D 56M 2S LONG. 111D 41M 48S PR 3 UTM 12 450000E 5531300N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE			SUBM		54101L FILTERED ALGAL GROWTH POTENTIAL CELLS/ML	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y	HR	ID			
22	05	79	1700	0426	39.		
05	06	79	0915	0426	92.		
19	06	79	0735	0426	26.		
05	07	79	0850	0426	5.	.004	
18	07	79	0715	0426	8.		
31	07	79	1115	0426	3.	.003	
18	09	79	0915	0426	18.	.005	
02	10	79	0830	0426	9.	.007	
17	10	79	1630	0426	11.	.021	
06	11	79	1000	0426	26.	.004	
26	11	79	1530	0426	91.	.005	
14	01	80	1535	0426	109.	.009	
04	02	80	1615	0426	1190.	.008	.247
25	02	80	1710	0426	1500.	.007	.121
18	03	80	0830	0426	455.	.010	
31	03	80	1720	0426	49.	.003	.051
14	04	80	1710	0426		.016	.095
14	04	80	1715	0426	745.		
29	04	80	0830	0426	160.	.074	.030
13	05	80	0910	0426	73.	.031	.014
27	05	80	0745	0426	76.	.169	.007
10	06	80	0830	0426	18.		.001
24	06	80	0915	0426	67.	.020	.009
08	07	80	0830	0426	14.	.008	.004
22	07	80	0900	0426	9.	.002	.001
06	08	80	0930	0426	2.	.001	.001
19	08	80	0820	0426	15.	.004	.002
03	09	80	0900	0426	18.	.003	.003
16	09	80	0830	0426	12.	.001	.002
30	09	80	0830	0426	90.	.015	.011
15	10	80	0830	0426	44.	.007	.017
30	10	80	0930	0426	21.	.005	.003
11	11	80	1045	0426	38.	.007	.004
25	11	80	0930	0426	24.	.006	.003
13	01	81	0900	0426	149.	.008	.025
03	02	81	1030	0426	18.	.002	.004
22	02	81	1200	0426	183.	.023	.016
15	03	81	1020	0426	19.	.016	.040
02	04	81	0930	0426	73.	.020	.043

STATION 00AT05AG2095 LAT. 49D 56M 2S LONG. 111D 41M 48S PR 3 UTM 12 450000E 5531300N
OLDMAN RIVER AT THE MOUTH

SAMPLE DATE				54101L		54611L		54601L	
				FILTERED		PARTICULATE		DISSOLVED	
				ALGAL GROWTH		BIOLOGICALLY		BIOLOGICALLY	
				POTENTIAL		AVAILABLE		AVAILABLE	
				SUBM SELENASTRUM		PHOSPHORUS		PHOSPHORUS	
D	M	Y	HR	ID	CELLS/HL	HG/L		HG/L	
14	04	81	1015	0426	24.	.002		.058	
28	04	81	0830	0426	306.	.040		.017	
12	05	81	0830	0426	32.	.004		.052	
26	05	81	0930	0426	46.	.072		.005	
15	06	81	1815	0426	12.	.135		.002	
21	07	81	1520		2.				
28	07	81	1220		2.				
09	09	81	0925		2.				
29	09	81	1135		3.				

STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER

SAMPLE DATE				54101L		54611L		54601L	
				FILTERED		PARTICULATE		DISSOLVED	
				ALGAL GROWTH		BIOLOGICALLY		BIOLOGICALLY	
				POTENTIAL		AVAILABLE		AVAILABLE	
				SUBM SELENASTRUM		PHOSPHORUS		PHOSPHORUS	
D	M	Y	HR	ID	CELLS/HL	HG/L		HG/L	
15	05	79	1855	0426	23.				
29	05	79	1431	0426	30.				
12	06	79	1500	0426	118.				
26	06	79	1300	0426	31.	.015			
10	07	79	1215	0426	5.	.006			
24	07	79	1235	0426	31.				
06	08	79	1305	0426	3.	.003			
21	08	79	1435	0426	9.	.005			
25	09	79	0745	0426	6.				
10	10	79	0700	0426	8.	.008			
30	10	79	0800	0426	8.	.008			
19	11	79	1530	0426	636.	.012			
10	12	79	1545	0426	1540.	.011			
08	01	80	1420	0426	1940.	.030			
29	01	80	1345	0426	1790.	.016			
19	02	80	1320	0426	1090.	.021			

STATION 00AT05AK2070 LAT. 49D 54M 15S LONG. 111D 31M 42S PR 3 UTM 12 462050E 5527900N
SOUTH SASKATCHEWAN RIVER AT HIGHWAY #879

SAMPLE DATE				SUBM		54101L	54611L	54601L
MST				ID	CELLS/ML	FILTERED ALGAL GROWTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y	HR					
11	03	80	1330	0426	1270.		.076	.181
25	03	80	1140	0426				.165
09	04	80	1350	0426	544.		.179	.032
22	04	80	1530	0426	966.		.123	.094
06	05	80	1325	0426	109.		.061	.026
22	05	80	1115	0426	10.		.017	.008
04	06	80	1100	0426	414.		.098	.017
18	06	80	0800	0426	333.		.052	.034
02	07	80	1545	0426	145.		.039	.016
16	07	80	0820	0426	14.		.001	.001
30	07	80	0830	0426	7.		.002	.002
13	08	80	0730	0426	9.		.008	.002
26	08	80	1630	0426	3.		.009	.001
09	09	80	1510	0426	7.		.002	.001
23	09	80	1410	0426	4.		.003	.002
07	10	80	1410	0426	10.		.005	.003
22	10	80	0810	0426	706.		.057	.048
05	11	80	0930	0426	745.		.029	.078
19	11	80	0820	0426	642.		.015	.085
10	12	80	0900	0426	1070.			.150
07	01	81	0800	0426	643.		.003	.016
28	01	81	0900	0426	1214.		.008	.179
17	02	81	1600	0426	910.		.019	.123
10	03	81	1500	0426	1124.		.032	.138
22	03	81	0830	0426	612.		.026	.078
07	04	81	1700	0426	779.		.013	.122
22	04	81	1415	0426	309.		.020	.084
05	05	81	1345	0426	199.		.028	.034
20	05	81	1445	0426	313.		.073	.025
15	06	81	1630	0426	279.		.070	.024
27	07	81	1650		189.			
08	09	81	1700		9.			

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

SAMPLE DATE			54101L		54611L		54601L	
HST			ALGAL GROWTH POTENTIAL	SUBM SELENASTRUM ID	54101L FILTERED	BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y						
22	05	79	1300	0426	93.			
04	06	79	1200	0426	131.			
18	06	79	1130	0426	14.			
04	07	79	1145	0426	5.	.003		
17	07	79	1545	0426	5.			
31	07	79	0630	0426	3.	.003		
18	09	79	0615	0426	8.	.003		
01	10	79	1700	0426	4.	.004		
17	10	79	1400	0426	8.	.007		
06	11	79	0800	0426	15.	.010		
26	11	79	1400	0426	499.	.005		
14	01	80	1400	0426	1600.	.010		
04	02	80	1435	0426	1810.	.011		.153
25	02	80	1445	0426	1940.	.012		.128
17	03	80	1600	0426	1020.			
31	03	80	1535	0426	578.	.005		.087
14	04	80	1335	0426	694.	.075		.048
28	04	80	1815	0426	181.	.051		.047
12	05	80	1820	0426	107.	.029		.011
26	05	80	1855	0426	217.	.185		.021
09	06	80	1600	0426	196.			
23	06	80	1815	0426	261.	.025		.029
07	07	80	1900	0426	1.	.009		.001
21	07	80	1730	0426	3.	.001		.001
05	08	80	1830	0426	2.	.002		.001
18	08	80	1630	0426	2.	.005		.001
02	09	80	1630	0426	2.	.001		.001
15	09	80	1600	0426	4.	.004		.001
29	09	80	1700	0426	1.	.015		.002
14	10	80	1630	0426	2.	.009		.001
29	10	80	1700	0426	346.	.012		.040
10	11	80	1300	0426	289.	.016		.031
24	11	80	1600	0426	511.	.012		.045
12	01	81	1500	0426	377.	.004		.033
02	02	81	1600	0426	857.	.009		.138
21	02	81	1630	0426	642.	.003		.100
14	03	81	1610	0426	426.	.300		.048
01	04	81	1730	0426	362.	.052		.070
13	04	81	1830	0426	187.	.002		.051

AGP PBAP AND DBAP

STATION 00AT05AK2080 LAT. 50D 2M 36S LONG. 110D 43M 20S PR 0 UTM 12 519894E 5543261N
SOUTH SASKATCHEWAN RIVER ABOVE MEDICINE HAT

SAMPLE DATE HST D M Y HR	SUBM ID	SELENASTRUM CELLS/ML	POTENTIAL	ALGAL GROWTH	54611L		54601L	
					PARTICULATE AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	PARTICULATE AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
27 04 81 1720	0426	47.			.510	.056		
11 05 81 1630	0426	112.			.006	.054		
25 05 81 1800	0426	17.			.125	.001		
12 07 81 1630	0426	3.			.008	.001		
28 09 81 1850		3.						

STATION 00AT05AK2087 LAT. 50D 8M 30S LONG. 110D 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE HST D M Y HR	SUBM ID	SELENASTRUM CELLS/ML	POTENTIAL	ALGAL GROWTH	54611L		54601L	
					PARTICULATE AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	PARTICULATE AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
22 05 79 1050	0426	97.						
04 06 79 1400	0426	126.						
18 06 79 1330	0426	21.						
04 07 79 1400	0426	10.			.002			
17 07 79 1015	0426	17.						
31 07 79 0835	0426	13.						
17 09 79 0530	0426	2.			.005			
01 10 79 1525	0426	160.			.010			
17 10 79 1820	0426	32.			.011			
05 11 79 1600	0426	160.			.013			
26 11 79 1300	0426	532.			.009			
14 01 80 1230	0426	1930.			.021			
04 02 80 1400	0426	1790.			.023			
25 02 80 1415	0426	1530.			.023			
17 03 80 1520	0426	1020.			.032	.158		
31 03 80 1420	0426	683.			.030	.087		
14 04 80 1445	0426	923.			.079	.071		
28 04 80 1330	0426	314.			.136	.057		
12 05 80 1610	0426	155.			.060	.024		
26 05 80 1630	0426	89.			.094	.011		
09 06 80 1545	0426	175.			.065	.017		

STATION 00AT05AK2087 LAT. 50D 8M 30S LONG. 110D 39M 28S PR 3 UTM 12 524450E 5554200N
SOUTH SASKATCHEWAN RIVER BELOW MEDICINE HAT

SAMPLE DATE				SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
MST					SELENASTRUM CELLS/ML		
D	M	Y	HR				
23	06	80	1600	0426	216.	.031	.026
07	07	80	1500	0426	2.	.011	.001
21	07	80	1600	0426	5.	.003	.001
05	08	80	1545	0426	2.	.015	.001
18	08	80	1445	0426	2.	.012	.001
02	09	80	1440	0426	1.	.005	.001
15	09	80	1515	0426	27.	.001	.002
29	09	80	1500	0426	1.	.017	.001
14	10	80	1500	0426	2.	.006	.001
29	10	80	1510	0426	173.	.008	.005
10	11	80	1530	0426	502.	.015	.033
24	11	80	1450	0426	541.	.015	.042
12	01	81	1410	0426	502.	.003	.062
02	02	81	1500	0426	841.	.004	.143
22	02	81	0930	0426	794.	.006	.121
14	03	81	1440	0426	687.	.023	.064
01	04	81	1600	0426	448.	.030	.072
13	04	81	1700	0426	312.	.003	.059
27	04	81	1600	0426	323.	.030	.004
11	05	81	1430	0426	152.	.024	.050
25	05	81	1330	0426	11.	.250	.002
15	06	81	1300	0426	194.	.026	.017
27	07	81	1915		27.		
08	09	81	1440		2.		

- AT HIGHWAY #41

[illegible]

STATION 00AT05AK2090 LAT. 50D 38M 05 LONG. 110D 12M 05 PR 3 UTM 12 556600E 5609150N
SOUTH SASKATCHEWAN RIVER - AT HIGHWAY #41

SAMPLE DATE	54101L			54611L			54601L			
	HR	Y	M	FILTERED	ALGAL GROWTH	PARTICULATE	DISSOLVED	BIOLOGICALLY	BIOLOGICALLY	
MST	D	M	Y	SUBM ID	SELENASTRUM CELLS/ML	PHOSPHORUS MG/L	PHOSPHORUS MG/L	PHOSPHORUS MG/L	PHOSPHORUS MG/L	
										POTENTIAL
	27	04	81	1300	0426	39.		.025		.013
	11	05	81	1130	0426	66.		.007		.033
	25	05	81	1200	0426	20.		.357		.003
	12	07	81	1400	0426	3.		.012		.001
	28	09	81	1530		3.				

STATION 00AT05BH2105 LAT. 51D 6M 05 LONG. 114D 12M 36S PR 3 UTM 11 695350E 5664400N
BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE					SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL SELENASTRUM CELLS/ML	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
HST	D	M	Y	HR				
	14	05	79	1015	0426	6.		
	28	05	79	0840	0426	9.		
	11	06	79	0800	0426	4.		
	25	06	79	0855	0426	39.	.005	
	09	07	79	1230	0426	14.	.002	
	23	07	79	1300	0426	24.		
	05	08	79	0720	0426	2.	.001	
	20	08	79	1145	0426	1.	.001	
	23	09	79	1235	0426	13.	.001	
	08	10	79	1130	0426	38.	.001	
	28	10	79	1500	0426	11.	.004	
	18	11	79	1300	0426	9.	.004	
	09	12	79	1645	0426	3.	.003	
	07	01	80	1430	0426	12.	.008	
	28	01	80	1145	0426	1.	.001	
	18	02	80	1215	0426	19.	.002	
	10	03	80	0830	0426	8.	.002	.005
	24	03	80	1545	0426			.003
	08	04	80	1140	0426	2.	.015	.001
	21	04	80	1230	0426	4.	.001	.001
	05	05	80	0610	0426	6.	.001	.001

STATION 00AT05BH2105 LAT. 51D 6M 0S LONG. 114D 12M 36S PR 3 UTM 11 695350E 5664400N
BOW RIVER AT 85ST. BRIDGE CALGARY

SAMPLE DATE			54101L		54611L		54601L	
MST			SUBM ID	SELENASTRUM CELLS/ML	ALGAL GRNTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	
D	M	Y						
20	05	80	0600	0426	1.	.001	.001	
02	06	80	1245	0426	1.	.002	.001	
16	06	80	0715	0426	1.	.002	.001	
01	07	80	0700	0426	2.	.001	.001	
14	07	80	1400	0426	3.	.001	.001	
28	07	80	0700	0426	1.	.001	.001	
11	08	80	0730	0426	4.	.001	.001	
25	08	80	0700	0426	2.	.001	.001	
08	09	80	0800	0426	1.	.001	.001	
22	09	80	0730	0426	1.	.001	.001	
06	10	80	0700	0426	3.	.001	.001	
20	10	80	0830	0426	2.	.001	.001	
03	11	80	0915	0426	2.	.001	.002	
18	11	80	0800	0426	2.	.001	.002	
08	12	80	1320	0426	1.	.001	.001	
05	01	81	0800	0426	26.	.000	.004	
26	01	81	0830	0426	2.	.001	.001	
16	02	81	0800	0426	9.	.003	.003	
09	03	81	0800	0426	5.	.001	.001	
06	04	81	0900	0426	3.	.000	.001	
21	04	81	0800	0426	3.	.000	.000	
04	05	81	0800	0426	2.	.001	.001	
19	05	81	0915	0426	4.	.003	.001	
09	06	81	0830	0426	7.	.001	.002	
30	06	81	0800	0426	4.	.004	.007	
20	07	81	1015		2.			
20	07	81	1030		2.			
24	08	81	1155		1.			
21	09	81	1525		5.			
15	10	81	1400		3.			

STATION 00AT05BM2161 LAT. 50D 53M 34S LONG. 114D 27M 0S PR 3 UTM 11 679350E 5640800N
BOW RIVER AT HIGHWAY 22X, CALGARY

SAMPLE DATE			54101L		54611L		54601L	
D	M	Y	HR	SUBM ID	SELENASTRUM CELLS/ML	ALGAL GROWTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
14	05	79	1430	0426	422.			
28	05	79	1215	0426	420.			
11	06	79	1050	0426	816.			
25	06	79	1110	0426	785.		.018	
09	07	79	0950	0426	413.		.009	
23	07	79	0925	0426	551.			
05	08	79	1345	0426	736.		.004	
20	08	79	0945	0426	583.		.014	
23	09	79	1450	0426	1265.		.031	
08	10	79	1330	0426	1818.		.043	
28	10	79	1700	0426	1540.		.046	
18	11	79	1530	0426	1660.		.040	
09	12	79	1530	0426	2190.		.050	
07	01	80	1315	0426	2760.		.077	
28	01	80	0945	0426	2400.		.028	
18	02	80	1000	0426	2800.		.024	.212
10	03	80	1140	0426	1210.		.041	.237
24	03	80	1400	0426				.218
08	04	80	1000	0426	470.		.049	.148
21	04	80	1000	0426	826.		.037	.159
05	05	80	0940	0426	725.		.026	.005
20	05	80	1000	0426	300.		.020	.040
02	06	80	0700	0426	751.		.034	.001
16	06	80	1000	0426	5.		.008	.067
01	07	80	1000	0426	428.		.006	.194
14	07	80	1130	0426	640.		.013	.093
28	07	80	1030	0426	524.		.018	.108
11	08	80	0950	0426	646.		.021	.141
25	08	80	1000	0426	664.		.023	.142
08	09	80	1000	0426	942.		.029	.210
22	09	80	1000	0426	942.		.008	.025
06	10	80	1000	0426	772.		.017	.207
20	10	80	1100	0426	765.		.013	.165
03	11	80	1400	0426	512.		.018	.129
18	11	80	1000	0426	669.		.027	.211
08	12	80	1130	0426	867.		.033	.179
05	01	81	1214	0426	659.		.019	.214
26	01	81	1230	0426	644.		.035	.226
16	02	81	1200	0426	779.		.004	

NAQUADAT DETAILED REPORT

AGP PBAP AND DBAP

STATION 00AT05BH2161 LAT. 50D 53M 34S LONG. 114D 27M 0S PR 3 UTM 11 679350E 5640800N
 BOB RIVER AT HIGHWAY 22X, CALGARY

SAMPLE DATE			SUBM		54101L	54611L	54601L
MST			ID	CELLS/ML	FILTERED ALGAL GROWTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y					
09	03	81	1015	0426	589.	.033	.309
20	03	81	1215	0426	888.	.050	.248
06	04	81	1430	0426	905.	.003	.297
21	04	81	1300	0426	784.	.021	.189
04	05	81	1230	0426	1016.	.036	.220
19	05	81	1450	0426	482.	.259	.042
09	06	81	1030	0426	418.	.221	.042
30	06	81	1400	0426	526.	.005	.027
20	07	81	1515		86.		
24	08	81	1550		518.		
21	09	81	1105		694.		
15	10	81	1415		1308.		

STATION 00AT05BH2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
 BOB RIVER BELOW CARSELAND HEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE			SUBM		54101L	54611L	54601L
MST			ID	CELLS/ML	FILTERED ALGAL GROWTH POTENTIAL	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y					
15	05	79	0945	0426	294.		
29	05	79	0645	0426	390.		
12	06	79	0725	0426	338.		
26	06	79	0635	0426	380.	.011	
09	07	79	0730	0426	323.	.004	
23	07	79	0705	0426	286.		
05	08	79	1040	0426	277.	.003	
21	08	79	0830	0426	390.	.009	
24	09	79	0645	0426	518.	.009	
09	10	79	0645	0426	776.	.014	
29	10	79	0800	0426	1237.	.020	
19	11	79	0730	0426	1060.	.013	
10	12	79	0800	0426	1030.	.022	

STATION 08AT05BH2215 LAT. 50D 49M 56S LONG. 133D 24M 46S PR 3 UTM 08 611800E 5632150N
BOW RIVER BELOW CARSELAND WEIR UPSTREAM OF HIGHWAY #24

SAMPLE DATE				SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL		54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L		54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	
D	M	Y	HR		SELENASTRUM CELLS/ML					
07	01	80	1130	0426	2440.		.030			
28	01	80	0830	0426	2540.		.014			
18	02	80	0830	0426	2570.		.025			
10	03	80	1000	0426	999.		.041		.211	
24	03	80	0900	0426					.237	
08	04	80	0830	0426	953.		.046		.203	
21	04	80	0830	0426	587.		.028		.112	
05	05	80	1320	0426	480.		.027		.112	
21	05	80	0900	0426	402.		.018		.027	
03	06	80	0830	0426	470.		.063		.113	
16	06	80	1400	0426	266.		.019		.012	
01	07	80	1230	0426	388.		.007		.039	
14	07	80	0830	0426	433.		.017		.026	
28	07	80	1245	0426	469.		.015		.108	
11	08	80	1145	0426	393.		.020		.129	
25	08	80	1230	0426	580.		.006		.113	
08	09	80	1300	0426	541.		.004		.130	
22	09	80	1220	0426	903.		.008		.141	
06	10	80	1200	0426	491.		.006		.151	
20	10	80	1245	0426	591.		.008		.134	
03	11	80	1216	0426	558.		.009		.130	
18	11	80	1120	0426	686.		.007		.119	
08	12	80	0900	0426	979.		.007		.260	
05	01	81	1100	0426	658.		.007		.179	
26	01	81	1100	0426	906.		.013		.183	
16	02	81	1000	0426	2246.		.013		.185	
09	03	81	1130	0426	502.		.042		.198	
20	03	81	1125	0426	988.		.028		.224	
06	04	81	1145	0426	755.		.005		.110	
21	04	81	1015	0426	1100.		.011		.185	
04	05	81	1030	0426	902.		.020		.138	
19	05	81	1150	0426	208.		.053		.024	
09	06	81	1225	0426	309.		.013		.047	
30	06	81	1000	0426	247.		.033		.069	
20	07	81	1245		57.					
24	08	81	1400		299.					
21	09	81	0920		839.					
14	10	81	1750		1250.					

STATION 00A05BM2240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOH RIVER BELOW BASSANO DAM

SAMPLE DATE		SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL		54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L		54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	
D	H Y HR		SELENASTRUM CELLS/ML	CELLS/ML	PHOSPHORUS MG/L	PHOSPHORUS MG/L	PHOSPHORUS MG/L	PHOSPHORUS MG/L
15	05 79 1300	0426	274.					
29	05 79 0945	0426	329.					
04	06 79 0845	0426	262.					
12	06 79 1015	0426	113.					
26	06 79 0950	0426	91.	.008				
04	07 79 0820	0426	44.	.009				
10	07 79 0750	0426	278.	.011				
24	07 79 0845	0426	183.					
30	07 79 1045	0426	169.	.002				
06	08 79 0810	0426	147.	.004				
21	08 79 1040	0426	38.	.010				
24	09 79 1020	0426	482.	.009				
09	10 79 1020	0426	853.	.012				
29	10 79 1100	0426	935.	.022				
19	11 79 1030	0426	872.	.014				
10	12 79 1200	0426	1200.	.011				
08	01 80 0930	0426	1990.	.024				
29	01 80 0830	0426	2210.	.027				
19	02 80 0840	0426	2224.	.024				
11	03 80 0830	0426	993.	.042		.183		
25	03 80 1415	0426				.194		
09	04 80 0930	0426	1010.	.081		.125		
22	04 80 0900	0426	592.	.055		.104		
05	05 80 1710	0426	271.	.012		.082		
21	05 80 1230	0426	59.	.005		.042		
03	06 80 1130	0426	451.	.027		.028		
17	06 80 0910	0426	284.	.026		.028		
02	07 80 0900	0426	327.	.007		.049		
15	07 80 0800	0426	363.	.012		.036		
29	07 80 1100	0426	263.	.018		.113		
12	08 80 0915	0426	261.	.012		.128		
26	08 80 1115	0426	374.	.010		.060		
09	09 80 1000	0426	199.	.009		.058		
23	09 80 1000	0426	501.	.006		.095		
07	10 80 1000	0426	218.	.010		.101		
21	10 80 1100	0426	555.	.052		.100		
04	11 80 1048	0426	462.	.023		.112		
18	11 80 1310	0426	815.	.031		.091		
09	12 80 0900	0426	999.	.008		.236		

STATION 00A05BH240 LAT. 50D 44M 52S LONG. 112D 31M 27S PR 3 UTM 12 392500E 5622650N
BOH RIVER BELOW BASSANO DAM

SAMPLE DATE				SUBH ID	SELENASTRUM CELLS/HL	54101L		54611L		54601L	
D	M	Y	HR			POTENTIAL ALGAL GROWTH	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS			
06	01	81	0900	0426	530.			.007		.176	
27	01	81	1000	0426	900.			.025		.136	
17	02	81	0900	0426	1212.			.020		.168	
10	03	81	0800	0426	614.			.021		.177	
21	03	81	1213	0426	648.			.037		.179	
07	04	81	1100	0426	576.			.003		.125	
22	04	81	0800	0426	454.			.014		.141	
05	05	81	0800	0426	1304.			.046		.086	
20	05	81	0900	0426	227.			.020		.012	
07	06	81	1300	0426	213.			.025		.034	
01	07	81	0820	0426	93.			.001		.001	
21	07	81	1105		2.						
25	08	81	1035		182.						
22	09	81	1055		391.						
14	10	81	1100		903.						

STATION 00AT05B12245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE				SUBM ID	ALGAL GROWTH POTENTIAL SELENASTRUM CELLS/HL	54611L FILTERED	54611L PARTICULATE BIOLGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLGICALLY AVAILABLE PHOSPHORUS MG/L
D	M	Y	HR					
24	09	79	1310	0426	27.		.011	
09	10	79	1400	0426	41.		.037	
19	11	79	1400	0426	565.		.012	
19	11	79	1230	0426	833.		.014	
10	12	79	1330	0426	1390.		.013	
08	01	80	1130	0426	1940.		.015	
29	01	80	1040	0426	2260.		.022	
19	02	80	1040	0426	2200.		.019	
11	03	80	1030	0426	1240.		.041	.204
25	03	80	0915	0426				.190
09	04	80	1025	0426	1100.		.094	.122

STATION 00AT05BN2245 LAT. 50D 25M 55S LONG. 112D 13M 19S PR 3 UTM 12 413200E 5587150N
BOW RIVER AT BOW CITY BRIDGE

SAMPLE DATE		SUBM ID	54101L	54611L	54601L
HST	D M Y		FILTERED ALGAL GROWTH POTENTIAL CELLS/ML	PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
	22 04 80 1130	0426	753.	.085	.082
	06 05 80 1910	0426	91.	.012	.030
	21 05 80 1600	0426	9.	.017	.015
	03 06 80 1500	0426	393.	.031	.031
	17 06 80 1230	0426	280.	.035	.029
	02 07 80 1230	0426	213.	.004	.031
	15 07 80 1300	0426	9.	.004	.002
	29 07 80 1310	0426	15.	.015	.008
	12 08 80 1345	0426	46.	.015	.003
	26 08 80 1315	0426	6.	.006	.001
	09 09 80 1230	0426	3.	.003	.002
	23 09 80 1145	0426	118.	.011	.014
	07 10 80 1215	0426	57.	.010	.007
	21 10 80 1330	0426	754.	.039	.120
	04 11 80 1330	0426	576.	.032	.100
	19 11 80 1200	0426	650.	.031	.076
	09 12 80 1100	0426	1010.	.020	.168
	06 01 81 1050	0426	547.	.007	.139
	27 01 81 1200	0426	972.	.026	.162
	17 02 81 1100	0426	1337.	.023	.166
	10 03 81 1100	0426	1003.	.178	.173
	21 03 81 1420	0426	768.	.032	.162
	07 04 81 1330	0426	593.	.013	.072
	22 04 81 1000	0426	366.	.009	.133
	05 05 81 1045	0426	1041.	.028	.108
	20 05 81 1130	0426	364.	.064	.025
	07 06 81 1115	0426	172.	.024	.018
	01 07 81 1030	0426	5.	.006	.002
	21 07 81 1440		140.		
	25 08 81 1500		177.		
	22 09 81 1300		47.		

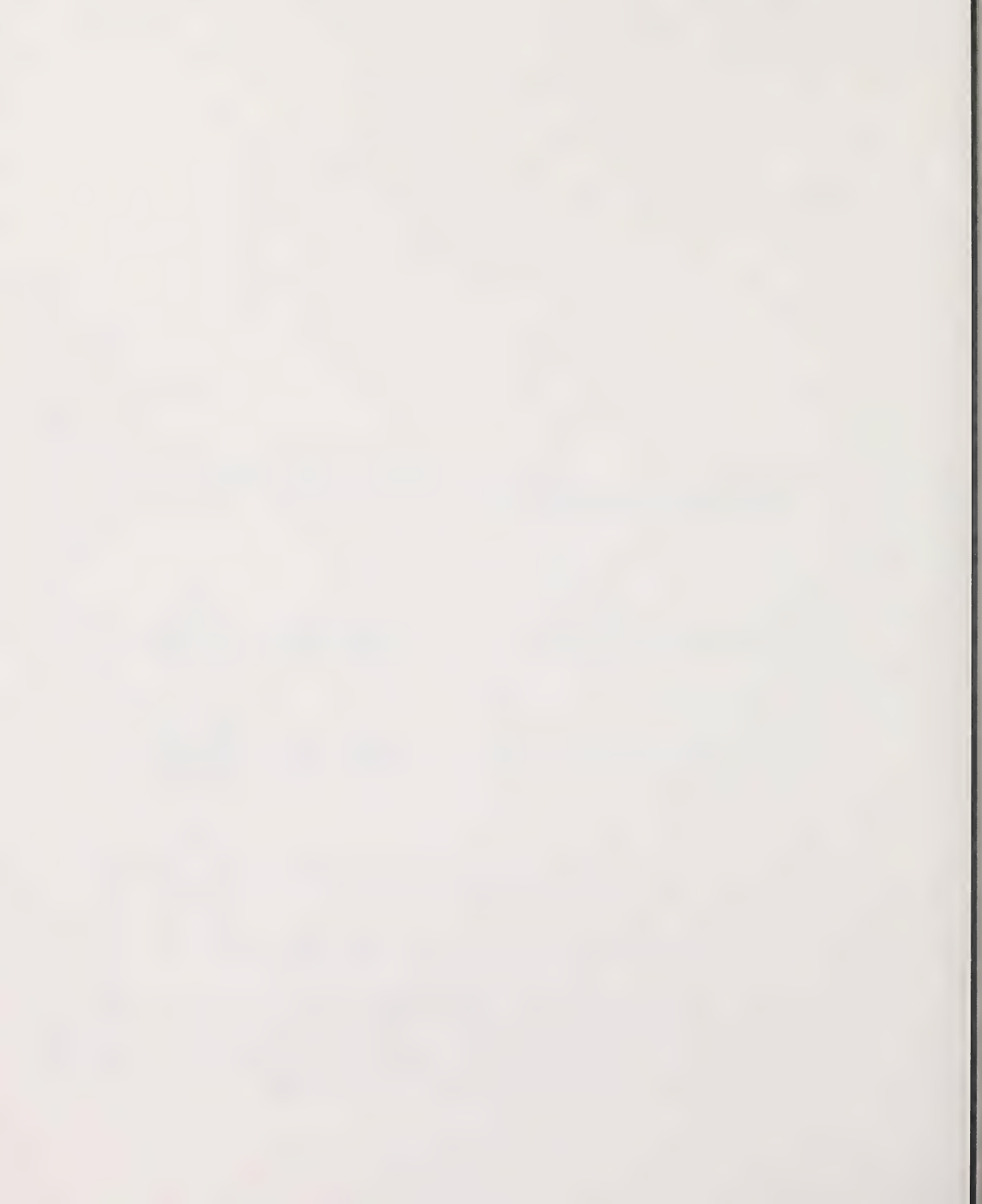
STATION 00AT05BH2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
BOW RIVER AT RONALANE BRIDGE

SAMPLE DATE							SUBM ID	54101L FILTERED ALGAL GROWTH POTENTIAL CELLS/HL	54611L PARTICULATE BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L	54601L DISSOLVED BIOLOGICALLY AVAILABLE PHOSPHORUS MG/L
MST			HR							
D	M	Y	HR							
15	05	79	1635	0426				10.		
29	05	79	1226	0426				270.		
12	06	79	1305	0426				145.		
26	06	79	1210	0426				83.	.013	
10	07	79	1040	0426				8.	.003	
24	07	79	1120	0426				20.		
06	08	79	1110	0426				3.	.003	
21	08	79	1315	0426				5.	.005	
24	09	79	0930	0426				23.	.007	
09	10	79	1630	0426				20.	.020	
30	10	79	1030	0426				28.	.010	
19	11	79	1430	0426				812.	.024	
10	12	79	1500	0426				1360.	.012	
08	01	80	1330	0426				1810.	.026	
29	01	80	1245	0426				2110.	.021	
19	02	80	1230	0426				1980.	.042	.170
11	03	80	1245	0426				1250.	.046	.178
25	03	80	1050	0426						
09	04	80	1250	0426				941.	.140	.102
22	04	80	1600	0426				1070.	.175	.105
06	05	80	1110	0426				153.	.032	.033
22	05	80	0830	0426				10.	.003	.005
04	06	80	0830	0426				346.	.068	.020
18	06	80	1045	0426				307.	.049	.027
03	07	80	0800	0426				50.	.015	.011
16	07	80	0945	0426				7.	.002	.007
30	07	80	1015	0426				19.	.003	.008
13	08	80	0900	0426				19.	.010	.005
27	08	80	0915	0426				18.	.008	.003
10	09	80	0830	0426				11.	.001	.001
24	09	80	0930	0426				12.	.009	.002
08	10	80	0830	0426				22.	.006	.003
22	10	80	0940	0426				614.	.054	.065
04	11	80	1630	0426				444.	.026	.087
19	11	80	0930	0426				839.	.023	.062
09	12	80	1430	0426				1020.	.006	.147
27	01	81	1405	0426				1104.	.001	.184
17	02	81	1500	0426				1234.	.027	.043
10	03	81	1400	0426				617.	.042	.170

STATION 00AT05BN2270 LAT. 50D 2M 39S LONG. 111D 34M 52S PR 3 UTM 12 458400E 5543500N
 BOW RIVER AT RONALD BRIDGE

54101L				54611L				54601L			
FILTERED				PARTICULATE				DISSOLVED			
ALGAL GROWTH				BIOLOGICALLY				BIOLOGICALLY			
POTENTIAL				AVAILABLE				AVAILABLE			
SUBM SELENASTRUM				PHOSPHORUS				PHOSPHORUS			
ID				NG/L				MG/L			
D M Y HR											
22	03	81	0920	0426	894.					.115	
07	04	81	1530	0426	754.					.116	
22	04	81	1240	0426	261.					.094	
05	05	81	1245	0426	33.					.028	
20	05	81	1330	0426	366.					.031	
07	06	81	0915	0426	191.					.017	
01	07	81	1230	0426	2.					.002	
21	07	81	1630		80.						
25	08	81	1255		18.						
22	09	81	1615		28.						
14	10	81	1330		10.						
14	10	81	1535		34.						

B-3 NAQUADAT printout of relevant Environment Canada data collected during the study period



NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00AL05BH0017 LAT. 51D 10M 25S LONG. 114D 28M 05 PR 5 UTM 11 677000E 5672000N
BOW RIVER AT COCHRANE, ALBERTA

SAMPLE DATE				SUBM	15406L	15301L	15103D	15356F	15256F	07651L	07110D	07506L
D	M	Y	HR	ID	PHOSPHORUS TOTAL PHOSPHATE P	PHOSPHORUS TOTAL INORGANIC P	PHOSPHORUS DISSOLVED P	PHOSPHORUS DISSOLVED INORG. PO4 P	PHOSPHORUS DISSOLVED ORTHO PO4 P	NITROGEN DISSOLVED N	NITROGEN DISSOLVED NO3 & NO2 N	NITROGEN TOTAL AMMONIA N
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	05	79	0825	0479	L.003		L.003 03L		L.003 56L	.18	.01 10L	L.1
06	06	79	1540	0479	.006		L.003 03L		L.003 56L	.13	.03 10L	L.1
25	07	79	0740	0479	.006		L.003 03L		L.003 56L	.08	.03 10L	L.1
30	08	79	1100	0479	.014		L.003 03L			.07	.03 10L	L.1
12	09	79	0710	0479	L.003		L.003 03L			.05	.01 10L	L.1
11	10	79	0855	0479	.006		L.003 03L			.08	.04 10L	L.1
15	11	79	0830	0479	L.003		L.003 03L			.15	.10 10L	L.1
10	12	79	1045	0479	.003		L.003 03L			.15	.08 10L	L.1
16	01	80	1400	0479	.013		L.003 03L			.15	.03 10L	L.1
06	02	80	0950	0479	L.003		L.003 03L			.12	.09 10L	L.1
05	03	80	0910	0479	L.003		L.003 03L			.13	.03 10F	
23	04	80	1055	0479	.005		.007 03F			.14	.06 10F	
14	05	80	0915	0479	.010		L.003 03F			.11	.06 10F	
18	06	80	0915	0479	.019		L.003 03F			.10	.02 10F	
29	07	80	1130	0479								
20	08	80	1015	0479	.004		L.003 03F			.05	.02 10F	
17	09	80	1015	0479	.003		L.003 03F			.10	.01 10F	
08	10	80	0815	0479	L.003		L.003 03F			.07	.02 10F	
12	11	80	1145	0479	L.003		L.003 03F			.07	.04 10F	
15	12	80	1135	0479	.004		.003 03F			.12	.07 10F	
14	01	81	1055	0479	.003		.003 03F			.10	.08 10F	L.1
25	02	81	1100	0479	L.003		L.003 03F			.07	.01 10F	L.1
25	03	81	1050	0479	L.003		L.003 03F			.06	.02 10F	L.1
23	04	81	1040	0479	.004		L.003 03F			.11	L.01 10F	L.1
12	05	81	0930	0479	.007		L.003 03F			.09	.04 10F	L.1
13	05	81	0930	0479	.007		L.003 03F			.09	.04 10F	
17	06	81	0945	0479	.007		L.003 03F			.12	.06 10F	L.1
08	07	81	0945	0479	.010		.003 03F			.07	.04 10F	
12	08	81	0900	0479	.004		L.003 03F			.09	.05 10F	
16	09	81	0945	0479	L.003		L.003 03F			.08	.04 10F	
07	10	81	0850	0479	.004		L.003 03F			.08	.03 10F	
04	11	81	0930	0479	.008		.003 03F			.09	.05 10F	
09	12	81	1010	0479	L.003		L.003 03F			.11	.08 10F	
13	01	82	1300	0479	L.003		L.003 03F			.12	.10 10F	L.1
29	03	82	1145	0479	.017		.008 03L			.27	.09 10L	L.1
26	04	82	0740	0479	.011		L.003 03F			.18	.06 10F	L.1

NAQUADAT DETAILED REPORT
PARTICULATES TEMP DOC

STATION 00A058H0017 LAT. 51D 10M 25S LONG. 114D 28M 0S PR 5 UTM 11 677000E 5672000N
BOB RIVER AT COCHRANE, ALBERTA

SAMPLE DATE				02061F TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902L NITROGEN PARTICUL.		06902L CARBON ORGANIC PARTICULATE C		06104L CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	SUBM ID	DEG.C.	JTU		MG/L		MG/L		MG/L		MG/L		MG/L	
09	05	79	0825	0479	5. 61S	1.3		2.				.04		.22		4.	
06	06	79	1540	0479	11.0 61S	3.2		5.				.08		.26		2.	
25	07	79	0740	0479	13.5 61S	2.4		21.				.06		.23		1.	
30	08	79	1100	0479	16. 61S	3.4		11.				.02		.16		1.	
12	09	79	0710	0479	10. 61S	2.1		11.				.03		.12		1.	
11	10	79	0855	0479	8. 61S	.5		1.				.04		.18		1.	
15	11	79	0930	0479	1.5 61S	.2		11.				.03		.15		1.	
10	12	79	1045	0479	.5 61S	1.5		11.				.04		.12		1.	
16	01	80	1400	0479	1.5	1.0		11.				.04		.17		1.	
06	02	80	0950	0479	1.5	2.5		11.				.03		.12		1.	
05	03	80	0910	0479	1.5	.9		3.				.04		.07		1.	
23	04	80	1055	0479	6.5	.2		1.				.09				2.	04F
14	05	80	0915	0479	10.0	4.5		6.				.14				2.	04F
18	06	80	0915	0479	11.0	11.0		11.				.10		.59		1.	04F
29	07	80	1130	0479	16.0	2.2		2.				.04		.24		1.	04F
20	08	80	1015	0479	13.0	1.2		3.				.06		.23		1.	04F
17	09	80	1015	0479	8.0	1.2		4.				.01		.10			
08	10	80	0815	0479	7.5	.6		11.				.09		.15		1.	04F
12	11	80	1145	0479	.5	1.6		11.				.04		.12		1.	04F
15	12	80	1135	0479	2.0	2.1		5.		4.		.05		.24		1.	04F
14	01	81	1055	0479	.0												
25	02	81	1100	0479	.0	2.0		1.				.04		.14		1.	04F
25	03	81	1050	0479	1.5	1.0		11.				.09		.26		1.	04F
23	04	81	1040	0479	7.	1.2		2.				.05		.18			
12	05	81	0930	0479	7.0	5.0		6.				L.01		.21		2.	
13	05	81	0930	0479	7.0							.05		.44			
17	06	81	0945	0479	9.5	5.5		6.				.05		.44		2.	
08	07	81	0945	0479	12.0	4.8		7.				.04		.36		2.	
12	08	81	0900	0479	14.0	2.7		1.				.05		.36		1.	
16	09	81	0945	0479	12.0	1.3		11.				.04		.18		1.	
07	10	81	0850	0479	6.0	.7		11.				L.01		.21		1.	
04	11	81	0930	0479	3.0	2.2		1.				L.01		.16		1.	
09	12	81	1010	0479	.0	.9		11.				L.01		.24		1.	
13	01	82	1300	0479	1.0	1.1		11.				L.01		.09		2.	
29	03	82	1145	0479	2.0	1.0		2.				.06		.10		1.	
26	04	82	0740	0479	.5	2.0		3.						.31		4.	
												.06		.35		3.	

STATION 00AL05BH0017 LAT. 51D 10M 25S LONG. 114D 28M 0S PR 5 UTM 11 677000E 5672000N
 BOB RIVER AT COCHRANE, ALBERTA

SAMPLE DATE				SUBM ID	PH UNITS	103011 PH		06152F CARBON DISSOLVED INORGANIC C		10101L ALKALINITY TOTAL		10151L ALKALINITY PHENOL PHTHALEIN		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	US/CM	MG/L	MG/L	MG/L	MG/L	MG/L
09	05	79	0825	0479	8.2	41.52L	148.06L	148.06L	148.06L	148.06L	148.06L	148.06L	148.06L	406.	406.	3.0	3.0	4.0	4.0
06	06	79	1540	0479	8.3	32.52L	117.06L	117.06L	117.06L	117.06L	117.06L	117.06L	117.06L	306.	306.	1.1	1.1	4.5	4.5
25	07	79	0740	0479	8.2	22.52L	91.06L	91.06L	91.06L	91.06L	91.06L	91.06L	91.06L	227.	227.	.7	.7	3.0	3.0
30	08	79	1100	0479	8.4	24.52L	100.06L	100.06L	100.06L	100.06L	100.06L	100.06L	100.06L	284.	284.	.7	.7	3.4	3.4
12	09	79	0710	0479	8.1	23.52L	101.06L	101.06L	101.06L	101.06L	101.06L	101.06L	101.06L	286.	286.	.8	.8	2.9	2.9
11	10	79	0855	0479	8.3	26.52L	120.06L	120.06L	120.06L	120.06L	120.06L	120.06L	120.06L	320.	320.	.9	.9	2.7	2.7
15	11	79	0830	0479	8.0	28.52L	120.06L	120.06L	120.06L	120.06L	120.06L	120.06L	120.06L	338.	338.	1.1	1.1	3.3	3.3
10	12	79	1045	0479	8.1	32.52L	130.06L	130.06L	130.06L	130.06L	130.06L	130.06L	130.06L	390.	390.	1.4	1.4	3.8	3.8
16	01	80	1400	0479	8.0	26.52L	114.06L	114.06L	114.06L	114.06L	114.06L	114.06L	114.06L	358.	358.	1.3	1.3	4.0	4.0
06	02	80	0950	0479	7.8	28.52L	135.06L	135.06L	135.06L	135.06L	135.06L	135.06L	135.06L	370.	370.	1.2	1.2	3.6	3.6
05	03	80	0910	0479	8.2	25.52L	138.06L	138.06L	138.06L	138.06L	138.06L	138.06L	138.06L	405.	405.	1.3	1.3	4.2	4.2
23	04	80	1055	0479	8.5		130.	130.	130.	130.	130.	130.	130.	345.	345.	1.4	1.4	3.7	3.7
14	05	80	0915	0479	8.3		102.	102.	102.	102.	102.	102.	102.	268.	268.	.8	.8	3.4	3.4
18	06	80	0915	0479	8.2		103.	103.	103.	103.	103.	103.	103.	269.	269.	.7	.7	3.6	3.6
29	07	80	1130	0479	8.4		105.	105.	105.	105.	105.	105.	105.	277.	277.	.9	.9	3.0	3.0
20	08	80	1015	0479	8.4		111.	111.	111.	111.	111.	111.	111.	291.	291.	.8	.8	3.6	3.6
17	09	80	1015	0479	8.3		115.	115.	115.	115.	115.	115.	115.	311.	311.	1.0	1.0	3.4	3.4
08	10	80	0815	0479	8.3		122.	122.	122.	122.	122.	122.	122.	322.	322.	1.0	1.0	3.2	3.2
12	11	80	1145	0479	8.3		125.	125.	125.	125.	125.	125.	125.	335.	335.	1.1	1.1	3.2	3.2
15	12	80	1135	0479	8.3		130.	130.	130.	130.	130.	130.	130.	353.	353.	1.0	1.0	3.9	3.9
14	01	81	1055	0479	8.3		124.	124.	124.	124.	124.	124.	124.	339.	339.	1.0	1.0	3.8	3.8
25	02	81	1100	0479	8.3		125.	125.	125.	125.	125.	125.	125.	348.	348.	1.2	1.2	3.2	3.2
25	03	81	1050	0479	8.4		121.	121.	121.	121.	121.	121.	121.	339.	339.	.9	.9	3.2	3.2
23	04	81	1040	0479	8.5		124.	124.	124.	124.	124.	124.	124.	344.	344.	1.2	1.2	2.9	2.9
12	05	81	0930	0479	8.2		129.	129.	129.	129.	129.	129.	129.	335.	335.	1.3	1.3	4.3	4.3
13	05	81	0930	0479	8.2		129.	129.	129.	129.	129.	129.	129.	335.	335.	1.3	1.3	4.3	4.3
17	06	81	0945	0479	8.3		118.	118.	118.	118.	118.	118.	118.	298.	298.	1.1	1.1	4.4	4.4
08	07	81	0945	0479	8.4		109.	109.	109.	109.	109.	109.	109.	271.	271.	.9	.9	3.6	3.6
12	08	81	0900	0479	8.3		110.	110.	110.	110.	110.	110.	110.	275.	275.	.9	.9	3.6	3.6
16	09	81	0945	0479	8.4		116.	116.	116.	116.	116.	116.	116.	294.	294.	.9	.9	3.0	3.0
07	10	81	0850	0479	8.3		131.	131.	131.	131.	131.	131.	131.	328.	328.	1.2	1.2	3.0	3.0
04	11	81	0930	0479	8.2		136.	136.	136.	136.	136.	136.	136.	347.	347.	1.1	1.1	3.2	3.2
09	12	81	1010	0479	8.2		143.	143.	143.	143.	143.	143.	143.	346.	346.	1.5	1.5	3.8	3.8
13	01	82	1300	0479	8.2		137.	137.	137.	137.	137.	137.	137.	341.	341.	1.3	1.3	5.0	5.0
29	03	82	1145	0479	8.2		130.	130.	130.	130.	130.	130.	130.	318.	318.	1.5	1.5	3.8	3.8
26	04	82	0740	0479	8.1		135.	135.	135.	135.	135.	135.	135.	321.	321.	2.6	2.6	4.0	4.0

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00A050EN0001 LAT. 50D 2M 48S LONG. 111D 35M 27S PR 4 UTM 12 457700E 5543700M
BOH RIVER NEAR MOUTH, ALBERTA

SAMPLE DATE				SUBM ID	15406L PHOSPHOROUS TOTAL P		15301L PHOSPHOROUS TOTAL P		15103D PHOSPHOROUS DISSOLVED P		15356F PHOSPHOROUS DISSOLVED INORG. P		15256F PHOSPHOROUS DISSOLVED ORTHOPHOSPHATE P		07651L NITROGEN DISSOLVED N		07110D NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HST		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
14	05	79	1200	0479	.038		.038	03L	.038	03L		.011	.56L		.31		.08	10L	L.1	
04	06	79	1110	0479	.082		.051	03L	.036	56L		.036	56L		.39		.20	10L	L.1	
16	07	79	1100	0479	.036		.028	03L	.005	56L		.005	56L		.22		.01	10L	L.1	
27	08	79	1100	0479	.043		.023	03L							.31		L.01	10L	L.1	
17	09	79	1155	0479	.026		.014	03L							.26		L.01	10L	L.1	
22	10	79	1215	0479	.033		.011	03L							.73		.47	10L	L.1	
19	11	79	1250	0479	.13		.089	03L							1.7		1.1	10L	L.1	
11	12	79	1320	0479	.16		.14	03L							2.4		1.5	10L	.7	
21	01	80	1320	0479	.16		.16	03L							1.8		1.2	10L	.6	
18	02	80	1320	0479	.15		.12	03L							2.2		1.3	10L	.2	
17	03	80	1410	0479	.23		.20	03L							1.9		1.4	10L	.4	
14	04	80	1545	0479	.400		.095	03F							1.30		.85	10F		
12	05	80	1700	0479	.091		.035	03F							.29		.28	10F		
09	06	80	1340	0479	.180		.034	03F							.51		.35	10F		
14	07	80	1245	0479	.020		.013	03F							.27		L.01	10F		
05	08	80	1240	0479	.025		.008	03F							.24		L.01	10F		
15	09	80	1215	0479	.021		.008	03F							.30		L.01	10F		
20	10	80	1320	0479	.150		.056	03F							1.20		.88	10F		
25	11	80	1330	0479	.130		.120	03F							1.20		.96	10F		
08	12	80	1345	0479	.180		.170	03F							1.90		1.30	10F		
19	01	81	1330	0479	.170		.150	03F							1.20		.92	10F	.6	
16	02	81	1330	0479	.190		.150	03F							2.30		2.00	10F	.4	
09	03	81	1315	0479	.170		.120	03F							1.30		1.10	10F	.1	
07	04	81	1245	0479	.19		.11	03F							2.1	51F	.70	10F	.2	
11	05	81	1320	0479	.088		.046	03F							.54		.46	10F	L.1	
01	06	81	1650	0479	.29		.021	03F							.52		.26	10F	L.1	
01	07	81	1415	0479	.037		.005	03F							.16		.05	10F		
17	08	81	1300	0479	.044		.015	03F							.23		.09	10F		
21	09	81	1200	0479	.024		.012	03F							.18		L.01	10F		
19	10	81	1215	0479	.038		.008	03L							.28		.02	10L		
16	11	81	1400	0479	.230		.110	03F							1.30		1.40	10F		
15	12	81	1515	0479	.120		.110	03F							1.70		1.20	10F		
25	01	82	1415	0479	.180		.170	03F							2.00		1.30	10F	L.1	
16	02	82	1420	0479	.220		.220	03F							1.90		.66	10F	L.1	
22	03	82	1345	0479	.250		.230	03F							1.80		1.70	10F	.6	
26	04	82	1330	0479	.320		.062	03F							1.00		.80	10F	.4	

STATION 00AL05BN0001
BOW RIVER NEAR MOUTH

SAMPLE DATE				SUBM ID	02061F TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	07902L NITROGEN PARTICUL.	06902L CARBON ORGANIC PARTICULATE C		06104L CARBON DISSOLVED ORGANIC C	
D	M	Y	HR		DEG.C.	JTU					MG/L	MG/L	N	MG/L
14	05	79	1200	0479	15.5 61S	3.0	21.			.10	.40		3.	
04	06	79	1110	0479	18.5 61S	6.0	7.			.12	.58		3.	
16	07	79	1100	0479	20.5 61S	4.2	4.			.13	.26		3.	
27	08	79	1100	0479	21.5 61S	2.7	1.5			.08	.24		4.	
17	09	79	1155	0479	16. 61S	2.8	2.			.03	.12		2.	
22	10	79	1215	0479	4.5 61S	3.0	10.			.15	.74		1.	
19	11	79	1250	0479	2.5 61S	6.0	4.			.08	.66		2.	
11	12	79	1220	0479	1.0 61S	3.5	9.			.06	.30		2.	
21	01	80	1320	0479	1.0	4.0	2.			.05	.22		2.	
18	02	80	1320	0479	.5	2.6	5.			.10	.56		1.	
17	03	80	1410	0479	1.5	7.7	10.			.11	.69		2.	
14	04	80	1545	0479	8.5	43.0	213.			1.00			3.	04F
12	05	80	1700	0479	15.0	21.0	34.			.26			3.	04F
09	06	80	1340	0479	17.5	58.0	137.			.42	3.70		4.	04F
14	07	80	1245	0479	22.0	2.9	6.			.07	.27		3.	04F
05	08	80	1240	0479	19.0	5.5	10.			.10	.78		3.	04F
15	09	80	1215	0479	11.0	3.6	6.			.14	.47		4.	04F
20	10	80	1320	0479	8.0	28.0	62.			.37	3.00		2.	04F
25	11	80	1330	0479	1.5	4.1	6.			.09	.35		2.	04F
03	12	80	1345	0479	.0	1.7	1.			.05	.26		2.	04F
19	01	81	1330	0479	1.0	5.1	11.			.14	.46		1.	04F
16	02	81	1330	0479	1.0	4.7	11.			.10	.71		2.	04F
09	03	81	1315	0479	3.2	6.7	21.			.17	1.50		2.	04F
07	04	81	1245	0479	6.5	20.	41.			.30	2.0		2.	
11	05	81	1320	0479	12.	3.8	4.			.22	1.2		3.	
01	06	81	1650	0479	15.	110.	253.			.53	7.8		3.	
01	07	81	1415	0479	18.0	9.6	31.			.19	1.40		3.	
17	08	81	1300	0479	23.0	5.8	15.			.14	.78		2.	
21	09	81	1200	0479	13.0	2.4	7.			.07	.41		3.	
19	10	81	1215	0479	8.5	4.8	7.			.25	1.40		3.	
16	11	81	1400	0479	1.5	17.0	35.			.19	1.50		2.	
15	12	81	1515	0479	.0	1.5	2.			1.01	.13		2.	
25	01	82	1415	0479	1.0	1.9	3.			.30	.30		2.	
16	02	82	1420	0479	2.0	4.1	7.			.05	.45		2.	
22	03	82	1345	0479	2.5	2.7	6.			.09	.51		3.	
26	04	82	1330	0479	9.0	270.0	334.			.67	630		3.	

NAQUADAT DETAILED REPORT

PH DIC ALK COND CL SIO2

STATION 00AL05BN0001 LAT. 50D 2M 46S LONG. 111D 35M 27S PR 4 UTM 12 457700E 5543700N
BOJ RIVER NEAR MOUTH, ALBERTA

SAMPLE DATE				SUBH ID	PH UNITS	10301L FH		06152F CARBON DISSOLVED INORGANIC C		10101L ALKALINITY TOTAL		10151L ALKALINITY PHENOL PTHALEIN		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR			PH		MG/L		MG/L		MG/L		US/CM		CL MG/L		SI02 MG/L	
14	05	79	1200	0479		7.9		31.52L		111.06L		.0		376.		5.3		L.1	
04	06	79	1110	0479		8.6		30.52L		109.06L		45.		350.		2.7		.9	
16	07	79	1100	0479		9.3		19.52L		70.06L				308.		3.2		1.6	
27	08	79	1100	0479		9.1		24.52L		102.06L		.9		351.		4.8		.6	
17	09	79	1155	0479		8.6		24.52L		106.06L		1.0		365.		4.9		.2	
22	10	79	1215	0479		8.3		28.52L		130.06L		.0		449.		6.6		.4	
19	11	79	1250	0479		8.2		32.52L		130.06L		.0		424.		6.5		1.0	
11	12	79	1320	0479		8.1		35.52L		136.06L		.0		503.		8.7		1.8	
21	01	80	1320	0479		7.7		31.52L		125.06L		.0		494.		7.9		3.3	
18	02	80	1320	0479		7.9		23.52L		120.06L		.0		471.		7.9		1.8	
17	03	80	1410	0479		7.8		26.52L		122.06L		.0		466.		8.2		3.8	
14	04	80	1545	0479		7.5				110.		.0		382.		5.2		4.2	
12	05	80	1700	0479		8.9				128.		8.1		343.		3.4		.5	
09	06	80	1340	0479		8.2				118.		.0		332.		1.9		5.0	
14	07	80	1245	0479		8.8				102.		9.2		374.		3.7		.5	
05	08	80	1240	0479		8.8				104.		9.3		358.		3.8		.6	
15	09	80	1215	0479		8.5				108.		.2		397.		4.9		1.1	
20	10	80	1320	0479		8.2				134.		.0		405.		5.0		2.0	
25	11	80	1330	0479		8.0				145.		.0		443.		6.4		1.6	
08	12	80	1345	0479		8.0				177.		.0		529.		8.8		2.8	
19	01	81	1330	0479		7.9				141.		.0		420.		5.2		4.2	
16	02	81	1330	0479		7.9				143.		.0		430.		5.3		4.0	
09	03	81	1315	0479		8.3				129.		.0		408.		6.0		2.1	
07	04	81	1245	0479		8.2				135.		.0		417.		5.1		1.8	
11	05	81	1320	0479		8.8				139.		9.		436.		6.0		.3	
01	06	81	1650	0479		8.0				120.		.0		306.		1.7		5.0	
01	07	81	1415	0479		8.8				122.		1.5		318.		3.0		1.3	
17	08	81	1300	0479		8.8				118.		7.8		306.		2.4		.8	
21	09	81	1200	0479		8.8				103.		5.8		325.		4.5		.4	
19	10	81	1215	0479		8.4				135.		.2		430.		5.5		L.1	
16	11	81	1400	0479		8.2				141.		.0		417.		5.9		.2	
15	12	81	1515	0479		8.1				168.		.0		442.		7.3		2.1	
25	01	82	1415	0479		7.5				164.		.0		442.		6.2		4.9	
16	02	82	1420	0479		7.5				160.		.0		422.		6.4		4.8	
22	03	82	1345	0479		7.5				140.		.0		413.		10.0		4.2	
26	04	82	1330	0479		7.9				120.		.0		336.		6.2		2.9	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMSSTATION 00AL05AD0002 LAT. 49D 42M 30S LONG. 112D 52M 30S PR 4 UTM 12 364800E 5507700N
OLDMAN RIVER NEAR LETHBRIDGE, ALBERTA

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL P		15301L PHOSPHORUS TOTAL INORGANIC P		15103D PHOSPHORUS DISSOLVED P		15356F PHOSPHORUS DISSOLVED INORG. P04 P		15256F PHOSPHORUS DISSOLVED ORTHO P04 P		07651L NITROGEN DISSOLVED N		07110D NITROGEN DISSOLVED NO3 & NO2 N		07506L NITROGEN TOTAL AMMONIA N	
D	M	Y	HR		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
15	05	79	1140	0479	.13				L.003 03L				.005 56L		.22		.03 10L		L.1	
05	06	79	1135	0479	.21				L.003 03L				L.003 56L		.22		.09 10L		L.1	
17	07	79	1015	0479	.021				.003 03L				L.003 56L		.15		L.01 10L		L.1	
28	08	79	1145	0479	.070				.012 03L						.18		.02 10L		L.1	
18	09	79	1135	0479	.016				L.003 03L						.20		.07 10L		L.1	
23	10	79	1200	0479	.015				L.003 03L						.14		.03 10L		L.1	
20	11	79	1310	0479	.006				.003 03L						.14		.05 10L		L.1	
12	12	79	1230	0479	.003				L.003 03L						.26		.16 10L		L.1	
22	01	80	1345	0479	.007				.006 03L						.35		.29 10L		L.1	
19	02	80	1430	0479	.005				L.003 03L						.32		.23 10L		L.1	
19	03	80	1330	0479	.030				.025 03L						.43		.15 10L		L.1	
15	04	80	1715	0479	.031				.010 03F						.21		L.01 10F			
13	05	80	1300	0479	.026				.003 03F						.33		.03 10F			
10	06	80	1110	0479	.058				L.003 03F						.14		.05 10F			
15	07	80	1130	0479	.010				.003 03F						.13		L.01 10F			
06	08	80	1330	0479	.031				.021 03F						.15		.02 10F			
16	09	80	1315	0479	.019				L.003 03F						.13		L.01 10F			
21	10	80	1330	0479	.051				.019 03F						.16		.03 10F			
26	11	80	1445	0479	.024				L.003 03F						.36		.08 10F			
09	12	80	1420	0479	.004				.004 03F						.21		.15 10F			
20	01	81	1430	0479	.034				.006 03F						.18		.12 10F		L.1	
17	02	81	1530	0479	.044				L.003 03F						.23		.14 10F		L.1	
10	03	81	1730	0479	.005				L.003 03F						.11		.03 10F		L.1	
08	04	81	1415	0479	.011				L.003 03F						.14		L.01 10F		L.1	
13	05	81	0630	0479	.085				.007 03F						.20		.06 10F		L.1	
02	06	81	1500	0479	.16				.003 03F						.24		.11 10F		L.1	
02	07	81	1400	0479	.036				.007 03F						.12		.02 10F			
18	08	81	1415	0479	.017				.006 03F						.13		L.01 10F			
22	09	81	1249	0479	.009				.006 03L						.14		L.01 10L			
21	10	81	0630	0479	.008				L.003 03F						.13		.02 10F			
17	11	81	1545	0479	.043				.010 03F						.15		.05 10F			
06	12	81	1515	0479	L.003				L.003 03F						.26		.20 10F			
26	01	82	1500	0479	.011				.004 03F						.42		.27 10F		L.1	
17	02	82	1530	0479	.020				.010 03F						.41		.34 10F		L.1	
23	03	82	1500	0479	.050				.011 03F						.31		.21 10F		L.1	
27	04	82	1415	0479	.037				.003 03F						.20		L.01 10F		L.1	

NAQUADAT DETAILED REPORT
 PARTICULATES TEMP DOC

 STATION 00A05AD0002 LAT. 49D 42M 30S LONG. 112D 52M 30S PR 4 UTM 12 364800E 5507700N
 OLDMAN RIVER NEAR LETHBRIDGE, ALBERTA

SAMPLE DATE				02061F TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902L NITROGEN PARTICUL.		06902L CARBON ORGANIC PARTICULATE C		06104L CARBON DISSOLVED ORGANIC C	
D	M	Y	HR	SUBH ID	DEG.C.	JTU	MG/L	MG/L	MG/L	MG/L	N	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	05	79	1140	0479	14. 61S	88.	234.					.49		.54		3.	
05	06	79	1135	0479	15. 61S	58.	42.					.49		4.6		2.	
17	07	79	1015	0479	21.5 61S	4.7	7.					.12		.29		2.	
28	08	79	1145	0479	21. 61S	39.	23.8					.06		.19		2.	
18	09	79	1135	0479	17. 61S	5.4	2.					.08		.51		2.	
23	10	79	1200	0479	5. 61S	1.5	10.					.05		.38		11.	
20	11	79	1310	0479	1.5 61S	3.5	4.					.05		.16		2.	
12	12	79	1230	0479	1.0 61S	2.2	10.					.03		.12		2.	
22	01	80	1345	0479	1.0	4.5	2.					.04		.14		1.	
19	02	80	1430	0479	.5	3.8	3.										
19	03	80	1330	0479	.8	17.	9.					.07		.43		4.	04F
15	04	80	1715	0479	10.5	2.2	13.					.15				4.	04F
13	05	80	1300	0479	13.0	12.0	27.					.16				3.	04F
10	06	80	1110	0479	17.0	28.0	4.					.21		2.20		2.	04F
15	07	80	1130	0479	19.0	3.4						.08		.44		2.	04F
06	08	80	1330	0479	18.0	6.5	12.					.09		.69		2.	04F
16	09	80	1315	0479	12.0	11.0	22.					.08		.65		1.	04F
21	10	80	1330	0479	6.0	14.0	43.					.16		2.70		2.	04F
26	11	80	1445	0479	1.0	20.0	27.					.13		.87		1.	04F
09	12	80	1420	0479	.3	4.1	6.					L.01		.23		1.	04F
20	01	81	1430	0479	2.0	20.0	57.					.12		1.20		1.	04F
17	02	81	1530	0479	1.0	15.0	25.					.06		.67		2.	04F
10	03	81	1730	0479	5.5	3.0	12.					.06		.28		2.	04F
08	04	81	1415	0479	6.	3.7	4.					L.01		.43		2.	
13	05	81	0630	0479	9.0	60.	125.					.24		2.5		3.	
02	06	81	1500	0479	14.	90.0	248.					.30		4.4		3.	
02	07	81	1400	0479	18.0		41.					.09		.90		2.	
18	08	81	1415	0479	22.0	2.7	4.					.04		.26		2.	
22	09	81	1249	0479	12.0	3.6	4.					.04		.34		2.	
21	10	81	0630	0479	4.0	3.3	3.					.05		.30		2.	
17	11	81	1545	0479	.5	6.8	14.					.08		.83		3.	
06	12	81	1515	0479	.0	2.5	3.					L.01		.13		2.	
26	01	82	1500	0479	2.0	4.5	5.					.02		.18		2.	
17	02	82	1530	0479	3.0	3.1	6.					.01		.31		2.	
23	03	82	1500	0479	2.0	31.0	30.					.14		2.20		3.	
27	04	82	1415	0479	12.0	28.0	33.					.15		.92		4.	

STATION 00AL05AD0002 LAT. 49D 42M 30S LONG. 112D 52M 30S PR 4 UTM 12 364800E 5507700N
 OLDMAN RIVER NEAR LETHBRIDGE, ALBERTA

SAMPLE DATE				SUBM ID	PH UNITS	103011 PH		06152F CARBON DISSOLVED INORGANIC C		10101L ALKALINITY TOTAL		10151L ALKALINITY PHENOL PTHALEIN		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR			103011 PH	PH	MG/L	MG/L	MG/L	CACO3	MG/L	MG/L	US/CM	MG/L	CL	MG/L	MG/L	MG/L
15	05	79	1140	0479	8.3	8.3		33. 52L	127. 06L			.0		346.		1.3		4.4	
05	06	79	1135	0479	8.1	8.1		28. 52L	98. 06L			.0		243.		.8		3.6	
17	07	79	1015	0479	8.4	8.4		28. 52L	124. 06L					376.		1.5		1.9	
28	08	79	1145	0479	8.5	8.5		28. 52L	123. 06L			2.0		405.		3.1		2.1	
18	09	79	1135	0479	8.4	8.4		30. 52L	134. 06L					438.		2.1		.6	
23	10	79	1200	0479	8.3	8.3		31. 52L	150. 06L			.0		446.		2.3		1.8	
20	11	79	1310	0479	8.2	8.2		39. 52L	159. 06L			.0		484.		2.1		1.9	
12	12	79	1230	0479	8.2	8.2		39. 52L	134. 06L			0.		499.		2.3		2.4	
22	01	80	1345	0479	7.9	7.9		41. 52L	150. 06L			.0		509.		2.2		3.2	
19	02	80	1430	0479	7.9	7.9		28. 52L	134. 06L			.0		501.		2.1		2.5	
19	03	80	1330	0479	8.2	8.2		26. 52L	116. 06L			.0		446.		2.6		2.4	
15	04	80	1715	0479	8.4	8.4			160.			1.5		582.		3.4		.3	
13	05	80	1300	0479	8.4	8.4			115.			2.0		292.		.9		3.0	
10	06	80	1110	0479	8.3	8.3			111.			.0		272.		.8		3.8	
15	07	80	1130	0479	8.5	8.5			127.			3.9		352.		1.2		2.0	
06	08	80	1330	0479	8.5	8.5			119.			4.0		325.		6.0		2.0	
16	09	80	1315	0479	8.4	8.4			136.			2.6		396.		1.8		2.0	
21	10	80	1330	0479	8.3	8.3			140.			.0		395.		2.0		1.7	
26	11	80	1445	0479	8.0	8.0			145.			.0		382.		1.4		2.3	
09	12	80	1420	0479	8.1	8.1			169.			.0		460.		1.7		3.4	
20	01	81	1430	0479	8.3	8.3			142.			.0		368.		1.3		3.5	
17	02	81	1530	0479	8.2	8.2			143.			.0		410.		1.7		3.1	
10	03	81	1730	0479	8.4	8.4			153.			6.9		409.		1.9		1.8	
08	04	81	1415	0479	8.4	8.4			172.			.0		484.		2.0		2.7	
13	05	81	0630	0479	8.3	8.3			133.			.0		324.		1.1		4.9	
02	06	81	1500	0479	8.2	8.2			113.			.0		275.		.8		4.8	
02	07	81	1400	0479	8.4	8.4			123.			.0		292.		1.0		3.3	
18	08	81	1415	0479	8.6	8.6			139.			2.6		362.		1.4		2.8	
22	09	81	1249	0479	8.4	8.4			147.			.2		442.		2.2		1.2	
21	10	81	0630	0479	8.2	8.2			160.			.0		447.		2.4		1.0	
17	11	81	1545	0479	8.2	8.2			150.			.0		401.		1.7		1.8	
06	12	81	1515	0479	8.1	8.1			196.			.0		503.		2.3		3.0	
26	01	82	1500	0479	7.7	7.7			180.			.0		455.		2.0		4.2	
17	02	82	1530	0479	7.9	7.9			165.			.0		417.		3.1		3.6	
23	03	82	1500	0479	8.1	8.1			160.			.0		428.		3.7		2.8	
27	04	82	1415	0479	8.3	8.3			145.			.0		372.		2.2		1.9	

NAQUADAT DETAILED REPORT
 PHOSPHORUS AND NITROGEN FORMS

 STATION 00AL05AG0001 LAT. 49D 57M 40S LONG. 112D 5M 5S PR 5 UTM 12 422200E 5534600N
 OLDMAN RIVER AT HWY 36 NORTH OF TABER, ALBERTA

SAMPLE DATE			SUBM ID	15406L		15301L		15103D		15356F		15256F		07551L		07110D		07506L	
D	M	Y		PHOSPHATE TOTAL	P MG/L	PHOSPHORUS TOTAL	P MG/L	PHOSPHORUS DISSOLVED	P MG/L	PHOSPHORUS DISSOLVED INORG. PO4	P MG/L	PHOSPHORUS DISSOLVED ORTHO PO4	P MG/L	NITROGEN DISSOLVED	N MG/L	NITROGEN DISSOLVED NO3 & NO2	N MG/L	NITROGEN TOTAL	N MG/L
14	05	79	1000	0479	.14			.005 03L				L.003 56L		.23		.07 10L		.1	
04	06	79	0945	0479	.14			.006 03L				.004 56L		.24		.08 10L		L.1	
16	07	79	0940	0479	.024			.12 03L				L.003 56L		.15		.01 10L		L.1	
27	08	79	0950	0479	.095			.036 03L						.32		.09 10L		L.1	
17	09	79	0950	0479	.030			.016 03L						.24		L.01 10L		L.1	
22	10	79	1050	0479	.065			.055 03L						.48		.14 10L		.2	
19	11	79	1135	0479	.059			.057 03L						.38		.14 10L		L.1	
11	12	79	1100	0479	.11			.090 03L						.79		.31 10L		.3	
21	01	80	1200	0479	.20			.18 03L						1.1		.58 10L		.4	
18	02	80	1210	0479	.19			.17 03L						.86		.44 10L		.3	
17	03	80	1245	0479	.13			.11 03L						.80		.02 10F		.2	
14	04	80	1400	0479	.150			.100 03F						.28		.13 10F			
12	05	80	1210	0479	.110			.021 03F						.17		.07 10F			
09	06	80	1200	0479	.092			.010 03F						.15		L.01 10F			
14	07	80	1100	0479	.038			.026 03F						.15		L.01 10F			
05	08	80	1040	0479	.071			.044 03F						.24		L.01 10F			
15	09	80	1010	0479	.050			.031 03F						.20		L.01 10F			
20	10	80	1030	0479	.039			.024 03F						.16		L.01 10F			
25	11	80	1140	0479	.038			.010 03F						.22		.12 10F			
08	12	80	1115	0479	.015			.006 03F						.55		.26 10F			
19	01	81	1115	0479	.074			.069 03F						.35		.15 10F		.2	
16	02	81	1130	0479	.070			.051 03F						.50		.25 10F		.1	
09	03	81	1130	0479	.072			.040 03F						.15		.06 10F		L.1	
07	04	81	1100	0479	.085			.047 03F						.19		L.01 10F		L.1	
11	05	81	1115	0479	.46			.011 03F						.25		.17 10F		.1	
01	06	81	1430	0479	.29			.008 03F						.24		.12 10F		L.1	
01	07	81	1100	0479	.045			.004 03L						.10		L.01 10L			
17	08	81	1045	0479	.020			.010 03F						.18		.01 10F			
21	09	81	1015	0479	.037			.022 03F						.21		L.01 10F			
19	10	81	1015	0479	.078			.055 03F						.19		.02 10F			
16	11	81	1200	0479	.099			.057 03F						.15		.03 10F			
15	12	81	1310	0479	.063			.055 03F						.44		.25 10F			
25	01	82	1215	0479	.300			.280 03F						1.30		.49 10F		L.1	
16	02	82	1245	0479	.250			.240 03F						1.00		.58 10F		L.1	
22	03	82	1200	0479	.110			.095 03F						.52		.30 10F		.1	
26	04	82	1130	0479	.120			.039 03F						.23		.05 10F		L.1	

STATION 00A05AG0001 LAT. 49D 57M 40S LONG. 112D 5M 5S PR 5 UTM 12 422200E 5534600N
OLDMAN RIVER AT HWY 36 NORTH OF TABER, ALBERTA

SAMPLE DATE				SUBM ID	02061F TEMPERATURE OF WATER		02073L TURBIDITY		10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902L NITROGEN PARTICUL.		06902L CARBON ORGANIC PARTICULATE		06104L CARBON DISSOLVED ORGANIC	
D	M	Y	HR		DEG.C.	JTU			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
14	05	79	1000	0479	13.5	61S	73.		148.				.36		3.9		3.	
04	06	79	0945	0479	17.5	61S	81.		207.				.34		3.6		3.	
16	07	79	0940	0479	19.5	61S	6.2		5.				.47		.48		3.	
27	08	79	0950	0479	20.	61S	28.		11.8				.10		.48		3.	
17	09	79	0950	0479	16.	61S	2.4		1.				.08		.35		2.	
22	10	79	1050	0479	4.5	61S	1.5		1.				.06		.32		1.	
19	11	79	1135	0479	2.	61S	2.5		11.				.05		.26		2.	
11	12	79	1100	0479	1.0	61S	5.0		2.				.07		.28		2.	
21	01	80	1200	0479	1.0		3.5		6.				1.01		.33		3.	
18	02	80	1210	0479	.5		2.7		2.				.08		.40		2.	
17	03	80	1245	0479	1.5		5.9		6.				.13		.60		4.	
14	04	80	1400	0479	14.0		13.0		15.				1.01				3.	04F
12	05	80	1210	0479	15.0		56.0		109.				.34				2.	
09	06	80	1200	0479	17.0		46.0		105.				.27		2.70		2.	04F
14	07	80	1100	0479	20.0		5.0		7.				.11		.52		2.	04F
05	08	80	1040	0479	16.0		10.0		16.				.16		1.10		3.	04F
15	09	80	1010	0479	11.0		5.8		7.				.16		.70		3.	04F
20	10	80	1030	0479	8.0		4.4		6.				.08		.48		2.	04F
25	11	80	1140	0479	1.5		8.5		11.				.21		1.00		2.	04F
08	12	80	1115	0479	.0		1.7		1.				.06		.26		2.	04F
19	01	81	1115	0479	1.5		4.2		8.				.17		.55		2.	04F
16	02	81	1130	0479	.5		3.4		5.				.11		.56		4.	04F
09	03	81	1130	0479	4.0		6.9		6.				.14		.74		2.	04F
07	04	81	1100	0479	5.5		3.6		7.				.18		.78		3.	
11	05	81	1115	0479	10.		220.		579.				1.0		10.9		3.	
01	06	81	1430	0479	16.		140.		379.				.45		7.5		3.	
01	07	81	1100	0479	18.0		29.0		65.				.13		1.20		2.	
17	08	81	1045	0479	22.0		4.3		7.				.09		.46		2.	
21	09	81	1015	0479	13.0		4.4		5.				.08		.49		2.	
19	10	81	1015	0479	8.0		5.5		6.								3.	
16	11	81	1200	0479	3.0		5.0		8.				.11		.67		2.	
15	12	81	1310	0479	.0		2.0		1.				1.01		.18		2.	
25	01	82	1215	0479	1.0		1.3		1.				.07		.39		2.	
16	02	82	1245	0479	2.0		1.6		11.				1.01		.30		2.	
22	03	82	1200	0479	2.0		2.5		4.				.10		.47		4.	
26	04	82	1130	0479	11.5		18.0		40.				.34		1.90		4.	

STATION 00AL05AG0001 LAT. 49D 57M 40S LONG. 112D 5M 5S PR 5 UTM 12 422200E 5534600N
 OLDMAN RIVER AT HWY 36 NORTH OF TABER, ALBERTA

SAMPLE DATE				SUBM ID	PH UNITS	06152F CARBON DISSOLVED INORGANIC		10101L ALKALINITY TOTAL		10151L ALKALINITY PHENOL PHTHALEIN		02041L SPECIFIC CONDUCT.		17206L CHLORIDE DISSOLVED		14105L SILICA REACTIVE	
D	M	Y	HR			MG/L	C	MG/L	CACO3	MG/L	CACO3	US/CM	MG/L	CL	MG/L	SI02	MG/L
14	05	79	1000	0479	8.2	35.52L		136.06L		.0		330.		1.8		4.	
04	06	79	0945	0479	8.1	29.52L		107.06L		.0		283.		1.0		3.6	
16	07	79	0940	0479	8.6	31.52L		116.06L		23.		380.		4.6		1.5	
27	08	79	0950	0479	8.3	26.52L		108.06L		.0		431.		10.		2.1	
17	09	79	0950	0479	8.5	30.52L		133.06L		3.0		492.		12.		.2	
22	10	79	1050	0479	8.3	28.52L		130.06L		.0		420.		6.0		.2	
19	11	79	1135	0479	8.2	39.52L		159.06L		.0		518.		7.3		.2	
11	12	79	1100	0479	8.2	43.52L				.0		576.		9.7		.8	
21	01	80	1200	0479	7.8	43.52L		175.06L		.0		638.		12.		1.3	
18	02	80	1210	0479	7.7	31.52L		160.06L		.0		577.		11.		.5	
17	03	80	1245	0479	7.9	30.52L		136.06L		.0		544.		6.2		2.6	
14	04	80	1400	0479	8.7			170.		7.1		535.		7.4		.1	
12	05	80	1210	0479	8.2			114.		.0		280.		1.2		3.5	
09	06	80	1200	0479	8.4			110.		3.4		284.		1.0		3.8	
14	07	80	1100	0479	8.7			125.		8.9		378.		4.6		.6	
05	08	80	1040	0479	8.6			129.		1.3		444.		7.9		.5	
15	09	80	1010	0479	8.6			130.		2.1		425.		5.9		.6	
20	10	80	1030	0479	8.6			143.		4.1		435.		6.7		.2	
25	11	80	1140	0479	8.3			144.		.0		399.		4.7		1.0	
03	12	80	1115	0479	8.0			185.		.0		521.		4.0		.6	
19	01	81	1115	0479	8.1			150.		.0		409.		5.3		3.3	
16	02	81	1130	0479	7.9			168.		.0		521.		8.4		1.6	
09	03	81	1130	0479	8.6			155.		2.5		457.		4.5		.2	
07	04	81	1100	0479	8.4			173.		.0		530.		6.1		.4	
11	05	81	1115	0479	8.2			133.		.0		339.		1.7		4.3	
01	06	81	1430	0479	8.2			120.		.0		283.		.9		5.1	
01	07	81	1100	0479	8.5			127.		.9		298.		1.3		3.5	
17	08	81	1045	0479	8.6			131.		3.8		376.		5.0		.4	
21	09	81	1015	0479	8.5			136.		2.0		424.		5.5		.4	
19	10	81	1015	0479	8.5			155.		1.0		503.		9.9		1.1	
16	11	81	1200	0479	8.5			155.		.2		441.		5.5		.1	
15	12	81	1310	0479	8.1			202.		.0		537.		7.7		.8	
25	01	82	1215	0479	7.4					.0		538.		16.0		4.0	
16	02	82	1245	0479	7.5			190.		.0		500.		9.4		4.0	
22	03	82	1200	0479	7.8			150.		.0		455.		6.8		2.0	
26	04	82	1130	0479	8.4			160.		.5		470.		5.8		.2	

NAQUADAT DETAILED REPORT
PHOSPHORUS AND NITROGEN FORMS

STATION 00A05AK0001 LAT. 50D 44M 15S LONG. 110D 5M 45S PR 4 UTM 12 563800E 5620800N
SOUTH SASKATCHEWAN RIVER AT HWY 41, ALBERTA

SAMPLE DATE				SUBM ID	15406L PHOSPHORUS TOTAL		15301L PHOSPHORUS TOTAL INORGANIC		15103D PHOSPHORUS DISSOLVED		15356F PHOSPHORUS DISSOLVED INORG. PO4		15256F PHOSPHORUS DISSOLVED ORTHO PO4		07651L NITROGEN DISSOLVED		07110D NITROGEN DISSOLVED NO3 & NO2		07506L NITROGEN TOTAL AMMONIA	
D	M	Y	HR		P	MG/L	P	MG/L	P	MG/L	P	MG/L	P	MG/L	N	MG/L	N	MG/L	N	MG/L
09	05	79	0720	0462	.136					.017	03L				.53		.29	10L		
12	06	79	0900	0462	.17					.013	03L				.17		.17	10L		
17	07	79	1040	0462	.023					L.003	03L				.14		L.01	10L		
21	08	79	1330	0462	.027					.007	03L				.33		.01	10L		
11	09	79	0935	0462	.013					.004	03L				.26		.02	10L		
23	10	79	0915	0462	.021					.010	03L				.23		.01	10L		
20	11	79	0930	0462	.039					.012	03L				1.3		1.2	10L		
04	12	79	1030	0462	.026					.023	03L				1.4		1.10	10L		
15	01	80	0845	0462	.073					.067	03L				1.6		1.5	10L		
19	02	80	0940	0462	.091					.074	03L				1.2		1.2	10L		
18	03	80	1005	0462	.21					.16	03L				1.9		1.4	10L		
15	04	80	0720	0462	.210					.077	03F				.99		.70	10F		
21	05	80	0615	0462	.069					.010	03F				.12		L.01	10F		
10	06	80	0630	0462	.290					.031	03F				.45		.30	10F		
29	07	80	0750	0462	.019					.007	03F				.29		L.01	10F		
12	08	80	0700	0462	.021					.009	03F				.15		L.01	10F		
09	09	80	0720	0462	.010					.006	03F				.23		L.01	10F		
21	10	80	0815	0462	.055					.003	03F				.35		.07	10F		
18	11	80	0900	0462	.063					.041	03F				.64		.58	10F		
09	12	80	0835	0462	.044					.033	03F				.98		.68	10F		
20	01	81	0900	0462	.093					.034	03F				.90		.62	10F		
17	02	81	0930	0462	.140					.090	03F				1.10		.95	10F		
17	03	81	0900	0462	.063					.038	03F				.79		.65	10F		
07	04	81	0840	0462	.20					.033	03F		L.003		.81		.62	10F		L.1
05	05	81	0750	0462	.15					.011	03F				.18		L.01	10F		L.1
23	06	81	0650	0462	.19					.020	03F		.010		.39		.29	10F		L.1
21	07	81	0550	0462	.066					.004	03F		L.003		.13		L.01	10F		
18	08	81	0715	0462	.037					.003	03F		L.003		.15		.01	10F		
22	09	81	0800	0462	.021					.006	03F		L.003		.20		L.01	10F		
27	10	81	0835	0462	.050					.013	03F		.010		.26	51F	L.01	10F		
17	11	81	0840	0462	.071					.029	03F		.018		.95		1.00	10F		
01	12	81	0845	0462	.100					.082	03F		.079		1.20		1.10	10F		
19	01	82	0950	0462	.190					.170	03F		.170		2.50		1.60	10F		L.1
09	02	82	0940	0462	.190					.180	03F		.170		1.90		1.60	10F		L.1
16	03	82	1030	0462	.240					.170	03L		.150	56L	1.60		1.50	10L		.5
20	04	82	0840	0462	.360					.068	03F		.060		.97		.68	10F		.2

NAQUADAT DETAILED REPORT
 PARTICULATES TEMP DOC

 STATION 00A05AK0001 LAT. 50D 44H 15S LONG. 110D 5M 45S PR 4 UTM 12 563800E 5620800N
 SOUTH SASKATCHEWAN RIVER AT HMY 41, ALBERTA

SAMPLE DATE				SUBM ID	02061F TEMPERATURE OF WATER		02073L TURBIDITY	10401L RESIDUE NONFILTR.		10501L RESIDUE FIXED NONFILTR.		07902L NITROGEN PARTICUL.		06902L CARBON ORGANIC PARTICULATE		06104L CARBON DISSOLVED ORGANIC	
D	M	Y	HR		DEG.C.	JTU		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	05	79	0720	0462	8.0 61S	93.		189.		172.		.05		.23		3.	
12	06	79	0900	0462	17.5 61S	69.		128.		123.		.24		3.2		2.	
17	07	79	1040	0462	22.5 61S	3.6		2.		2.		.03		.16		3.	
21	08	79	1330	0462	24.5 61S	.3		11.		11.		.07		.25		3.	
11	09	79	0935	0462	14.5 61S	.6		11.		11.		.05		.27		2.	
23	10	79	0915	0462	5. 61S	3.0		2.		11.		.10		.45		3.	
20	11	79	0930	0462	.0 61S	3.1		19.		10.		.09		.54		2.	
04	12	79	1030	0462	.5 61S	1.2		1.		11.		.08		.25		2.	
15	01	80	0845	0462	.5	1.6		5.		5.		.06		.19		2.	
19	02	80	0940	0462	.0	2.6		4.		3.		.05		.31		1.	
18	03	80	1005	0462	2.0	7.2		8.		4.		.13		2.0		3.	
15	04	80	0720	0462	8.0	40.0		66.				.23		.85		4.	04F
21	05	80	0615	0462	18.5	14.0		35.		32.		.22		1.60		3.	
10	06	80	0630	0462	15.0	95.0		241.		220.		.58		5.30		3.	04F
29	07	80	0750	0462	21.0	5.3		7.		5.		.15		.41		3.	04F
12	08	80	0700	0462	16.0	4.2		6.		6.		.08		.50		3.	04F
09	09	80	0720	0462	13.5	3.5		7.		5.		.06		.33		3.	04F
21	10	80	0815	0462	5.0	37.0		49.		45.		.35		2.70		2.	04F
18	11	80	0900	0462	.5	8.5		14.		11.		.11		.72		2.	04F
09	12	80	0835	0462	.0	2.6		2.		2.		.06		.26		2.	04F
20	01	81	0900	0462	.0	6.3		11.		9.		.10		.68		2.	04F
17	02	81	0930	0462	1.0	22.0		39.				.13		.76		2.	04F
17	03	81	0900	0462	.5	8.4		11.		8.		.16		.63		2.	04F
07	04	81	0840	0462	4.0	45.		104.				.78		4.8			
05	05	81	0750	0462	9.5	23.		61.		50.		.52		5.6		3.	
23	06	81	0650	0462	14.	75.		180.		168.		.38		4.9		4.	
21	07	81	0550	0462	21.0	40.0		70.				.25		2.10		2.	
18	08	81	0715	0462	20.0	18.0		29.		27.		.26		1.40		2.	
22	09	81	0800	0462	11.0	4.7		13.				.06		.43		2.	
27	10	81	0835	0462	3.5	7.1		12.		7.		.23		1.30		5.	
17	11	81	0840	0462	3.0	16.0		22.		18.		.17		1.10		2.	
01	12	81	0845	0462	.0	3.3		2.		1.		.05		.33		2.	
19	01	82	0950	0462	.0	3.0		5.		3.		.05		.26		3.	
09	02	82	0940	0462	.0	3.0		1.		11.		1.01		.22		2.	
16	03	82	1030	0462	1.5	25.0		36.		30.		.26		1.50		4.	
20	04	82	0840	0462	2.0	75.0		224.		208.		.76		5.40		3.	

NAQUADAT DETAILED REPORT

PH DIC ALK COND CL SIO2

STATION 00AL05AK0001 LAT. 50D 44M 15S LONG. 110D 5M 45S PR 4 UTM 12 563800E 5620800N
 SOUTH SASKATCHEWAN RIVER AT HHY 41, ALBERTA

SAMPLE DATE				SUBM ID	PH UNITS	10301L PH	06152F CARBON DISSOLVED INORGANIC C	10101L ALKALINITY TOTAL		10151L ALKALINITY PHENOL PHTHALEIN CACO3	02041L SPECIFIC CONDUCT.	17206L CHLORIDE DISSOLVED	14105L SILICA REACTIVE
D	M	Y	HR					CACO3 MG/L	CACO3 MG/L				
09	05	79	0720	0462	7.9		34. 52L	130. 06L			342.	3.2	4.4
12	06	79	0900	0462	8.0		26. 52L	102. 06L			293.	1.6	3.6
17	07	79	1040	0462	8.5		23. 52L	99. 06L	.0		356.	3.9	.8
21	08	79	1330	0462	8.2		22. 52L	88. 06L	.0		400.	4.2	.2
11	09	79	0935	0462	8.2		24. 52L	106. 06L	.0		437.	6.4	.3
23	10	79	0915	0462	8.3		31. 52L	135. 06L	.0		494.	6.0	.2
20	11	79	0930	0462	8.2		36. 52L	142. 06L	.0		484.	7.7	.2
04	12	79	1030	0462	8.2		39. 52L	154. 06L	.0		594.	9.6	1.1
15	01	80	0845	0462	8.0		40. 52L	164. 06L	.0		578.	8.9	1.0
19	02	80	0940	0462	8.2		29. 52L	180. 06L	.0		524.	9.4	.5
18	03	80	1005	0462	7.7		29. 52L	125. 06L	.0		506.	9.6	3.0
15	04	80	0720	0462	8.0			120.	.0		419.	5.4	2.9
21	05	80	0615	0462	8.6			119.	2.3		362.	3.2	.2
19	06	80	0630	0462	7.9			114.	.0		316.	1.8	4.0
29	07	80	0750	0462	8.9			110.	6.4		428.	5.1	.6
12	08	80	0700	0462	8.8			112.	4.4		410.	5.8	.2
09	09	80	0720	0462	8.5			105.	.0		400.	5.6	.4
21	10	80	0815	0462	8.3			138.	.0		428.	5.7	.4
18	11	80	0900	0462	8.4			140.	1.7		409.	4.4	.2
09	12	80	0835	0462	8.3			160.	.0		494.	6.6	.5
20	01	81	0900	0462	8.0			150.	.0		430.	4.4	4.3
17	02	81	0930	0462	7.8			152.	.0		463.	5.8	3.3
17	03	81	0900	0462	8.3			123.	.0		403.	5.5	.8
07	04	81	0840	0462	8.5			148.	.0		497.	9.6	.3
05	05	81	0750	0462	8.8			106.	8.0		325.	4.4	1.1
23	06	81	0650	0462	8.3			127.	.0		324.	1.8	5.0
21	07	81	0550	0462	8.5			120.	2.8		329.	2.9	.5
18	08	81	0715	0462	8.6			116.	1.9		325.	2.8	1.0
22	09	81	0500	0462	8.6			113.	1.6		363.	4.7	.4
27	10	81	0835	0462	8.3			150.	.0		518.	7.6	1.1
17	11	81	0840	0462	8.3			143.	.0		413.	5.8	.2
01	12	81	0845	0462	8.3			163.	.0		467.	6.7	.1
19	01	82	0950	0462	7.6			227.	.0		592.	12.0	3.8
09	02	82	0940	0462	7.5			185.	.0		493.	7.9	4.4
16	03	82	1030	0462	7.5			135.	.0		404.	7.5	3.0
20	04	82	0840	0462	7.7			110.	.0		397.	7.8	3.0

